



# MMWR

## Morbidity and Mortality Weekly Report

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### Fatal Cases of Rocky Mountain Spotted Fever in Family Clusters — Three States, 2003

Rocky Mountain spotted fever (RMSF), a tickborne infection caused by *Rickettsia rickettsii* and characterized by a rash (Figure), has a case-fatality rate as high as 30% in certain untreated patients (1). Even with treatment, hospitalization rates of 72% and case-fatality rates of 4% have been reported (1–3). This report summarizes the clinical course of three fatal cases of RMSF in children and related illness in family members during the summer of 2003. These cases underscore the importance of 1) prompt diagnosis and appropriate antimicrobial therapy in patients with RMSF to prevent deaths and 2) consideration of RMSF as a diagnosis in family members and contacts who have febrile illness and share environmental exposures with the patient.

#### Case Reports

**Oklahoma.** In late May, a female child aged 7 years was taken to an emergency department (ED) with 2 days of fever (102.7° F [39.3° C]), malaise, abdominal pain, nausea, and vomiting. Viral gastroenteritis was diagnosed, and the patient was released. Four days later, the patient reported to a second ED with persistent fever, anorexia, irritability, photophobia, cough, diffuse myalgias, nausea, and vomiting. Physical examination showed hepatosplenomegaly and an erythematous papular rash with scattered petechiae on the trunk, arms, legs, palms, and soles. Laboratory results included an elevated white blood cell (WBC) count of  $11.4 \times 10^9$  cells/L (normal range:  $3.0\text{--}9.1 \times 10^9$  cells/L), thrombocytopenia ( $19 \times 10^9$  platelets/L [normal range:  $150\text{--}350 \times 10^9$  platelets/L]), elevated aspartate aminotransferase (AST) of 279 U/L (normal:  $\leq 42$  U/L), and elevated alanine aminotransferase (ALT) of 77 U/L (normal:  $\leq 48$  U/L). In the ED, the patient was treated with intravenous (IV) doxycycline for suspected RMSF and transferred to a pediatric intensive care unit at a tertiary care

FIGURE. Child with Rocky Mountain spotted fever has the rash that is characteristic but typically does not appear until several days after fever onset



Photo/CDC

medical center, where she had declining mental status, metabolic acidosis, and respiratory failure; the patient died 6 days after initially seeking treatment. IgG antibodies reactive with *R. rickettsii* at a reciprocal titer of 128 were demonstrated by using an indirect immunofluorescence antibody (IFA) assay in a serum specimen collected 2 days before death. Spotted fever group rickettsiae (SFGR) were detected by immunohistochemical (IHC) staining at CDC in autopsy specimens from the brain, skin, heart, lung, spleen, and kidney.

On June 1, the child's sister, aged 3 years, had fever, headache, myalgias, and vomiting; on the following day, she had

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an erythematous maculopapular rash on the trunk, extremities, palms, and soles. RMSF was diagnosed, and the child was treated with doxycycline; she recovered. Seroconversion of IgG antibodies reactive with *R. rickettsii* was demonstrated in acute and convalescent phase serum specimens obtained during illness and 5 months later. Both children played frequently in grassy areas near their home. No history of tick bite was reported, although ticks were frequently observed on the family's pet dogs and often were manually removed by members of the household.

**Kentucky.** In early August, a male child aged 2 years was taken to a pediatrician after 1 day of fever (101.0° F [38.3° C]) with a papular rash on his legs, arms, trunk, and back. An unspecified viral syndrome was diagnosed, and the child was treated with nonsteroidal anti-inflammatory drugs. During the next 2 days, the child continued to have fevers, spiking to 102.0° F–103.0° F (38.9° C–39.4° C), and variable rash. The child was examined in an ED and discharged with a diagnosis of viral infection. Four days after initial treatment, the child was again evaluated by a pediatrician because of lethargy and refusal to walk. Laboratory tests showed thrombocytopenia ( $42 \times 10^9$  platelets/L), a WBC count of  $3.3 \times 10^9$  cells/L, anemia (hemoglobin 10.4 g/dL [normal range: 13.8–17.2 g/dL]), and hyponatremia (134 mmol sodium/L [normal range: 135–145 mmol sodium/L]). The next day, the child was admitted and treated with IV ceftriaxone and methylprednisolone. Two days later, the child was transferred to a tertiary care hospital. Physical examination at admission revealed a fine petechial rash on the groin, trunk, ankles, and palms. The patient was treated with IV vancomycin, cefotaxime, and doxycycline. His condition continued to deteriorate; 8 days after initial treatment, he died from multiple system failure. A serum specimen collected 2 days earlier tested positive by enzyme immunoassay for IgM antibodies reactive with *R. rickettsii* at 9.4 index value units (index values >2.0 were considered reactive by the testing laboratory). SFGR were detected by IHC stain in autopsy specimens of the brain, skin, heart, lung, spleen, kidney, lung, and adrenal gland.

The child's mother, aged 40 years, was hospitalized 2 days before her son's death with 2 days of diplopia, dizziness, headache, and fever. Oral doxycycline and IV ceftriaxone were administered; she was discharged after 5 days. Seroconversion of IgG antibodies reactive with *R. rickettsii* was demonstrated in acute and convalescent phase serum specimens obtained during illness and 2 weeks later. The family lived near a lake with woods. The mother did not recall any recent tick bites, travel, or participation in outdoor activities, by herself or her son prior to illness onset.

**Arizona.** In mid-August, a male child aged 14 months was taken to a community health clinic after 1 day of fever (103.7°

**BOX. Epidemiology, clinical findings, diagnosis, treatment, and prevention of Rocky Mountain spotted fever (RMSF)****Epidemiology**

- RMSF is a zoonotic disease caused by the bacterium *Rickettsia rickettsii* and is transmitted to humans through the bite of the American dog tick (*Dermacentor variabilis*) and Rocky Mountain wood tick (*D. andersoni*).
- Cases have been reported from most states in the continental United States, most frequently from southeastern and south central states.
- Age-specific incidence is highest in children aged 1–9 years.
- Case-fatality rate is as high as 30% for certain untreated patients but decreases markedly with prompt and appropriate antibiotic treatment.

**Clinical Findings**

- Incubation period typically is 5–10 days after a tick bite.
- Early signs and symptoms are nonspecific and can include fever, nausea, vomiting, severe headache, muscle pain, and loss of appetite.
- Later signs and symptoms include abdominal pain, joint pain, and diarrhea.
- Rash is a frequent finding that usually occurs several days after onset of fever. Initial appearance of the rash usually is represented as faint macules on the wrists or ankles.
- As the disease progresses, the rash can become petechial and involve the trunk, extremities, palms, and soles.
- Laboratory abnormalities can include thrombocytopenia, hyponatremia, and elevations of hepatic aminotransferase levels.
- Severe manifestations can include pneumonitis, encephalitis, disseminated intravascular coagulopathy, and skin necrosis requiring amputation.

**Diagnosis**

- A working diagnosis primarily is based on clinical findings (e.g., fever and rash), seasonality (e.g., onset during April–September), and history of tick bite or tick exposure.
- Serologic tests for RMSF are available at commercial laboratories, state public health laboratories, and CDC. Early serologic tests (within 1 week of illness onset) frequently are negative, and testing of acute and convalescent phase serum samples is recommended to confirm diagnosis.
- Nucleic acid detection (e.g., by using polymerase chain reaction assay), immunohistochemical staining of formalin-fixed tissues, and cell culture of biopsy or autopsy specimens also can be used for diagnosis and are available at specialized research laboratories and CDC.

**Treatment**

- Doxycycline is the treatment of choice for all patients.
  - Dosage for adults is 100 mg twice daily.
  - Dosage for children weighing <99 pounds (<45 kg) is 2.2 mg/kg twice daily; children weighing ≥99 pounds should receive the adult dosage.
- Duration of therapy usually is 7–10 days; longer courses of therapy might be warranted in patients with more severe illness.

**Prevention and Reporting**

- RMSF is a nationally notifiable disease; cases should be reported to state health departments.
- No RMSF vaccine for humans is available.
- Prevention should focus on reducing exposure to ticks through avoidance of tick habitats and personal protective measures (e.g., tick checks and repellent).
- Additional information is available at <http://www.cdc.gov/ncidod/dvrd/rmsf>.

F [39.8° C]), with a maculopapular rash, including the palms and soles, and thick white exudates on the tongue. Chest radiographic evaluation showed a possible right lower lobe infiltrate. The child was treated with intramuscular cefotaxime, acetaminophen, and antifungal medication for presumptive thrush. The next day, the child visited the clinic with nausea, vomiting, anorexia, and dehydration. The patient was transferred to a referral hospital for treatment of pneumonia, roseola infantum, and thrush; on admission, the patient had a temperature of 105.7° F (41° C). After 3 days, he was transferred to a tertiary care hospital with a diagnosis of sepsis and disseminated intravascular coagulopathy. The patient was treated with IV ceftazidime and vancomycin. Laboratory findings included an elevated WBC count ( $16.2 \times 10^9$  cells/L), thrombocytopenia ( $46 \times 10^9$  platelets/L), and elevated levels of AST

(291 U/L) and ALT (99 U/L). Six days after initial treatment, the child died of pulmonary hemorrhage; an autopsy was not performed. A serum specimen obtained 5 days before the child's death tested negative by IFA for IgM and IgG antibodies reactive with *R. rickettsii*; however, *R. rickettsii* DNA was amplified from serum by polymerase chain reaction (PCR) assay. A serum specimen obtained from a brother, aged 5 years, showed IgM and IgG antibodies reactive to *R. rickettsii*, indicating recent exposure. The children lived in a rural environment with low shrubs and grasses and frequently interacted with free-roaming dogs with ticks; however, neither child had a history of recent tick bite.

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**Editorial Note:** RMSF is the most commonly fatal tickborne illness in the United States. Characterized by fever and a macular rash in its early stages, untreated RMSF can result in severe systemic manifestations, including pneumonitis, myocarditis, hepatitis, acute renal failure, encephalitis, gangrene, and death. An estimated 612 deaths were attributable to RMSF in the United States during 1983–1998, and approximately 12% of reported deaths occurred in children aged <10 years (4). Family clusters of infection are a well-recognized feature of RMSF because of shared residence and risks for vector exposure (5).

In its early stages, RMSF can resemble many other infectious and noninfectious conditions and can be difficult to diagnose (Box), even for physicians familiar with the disease (3,6). The majority of patients do not have the classic RMSF triad of fever, rash, and history of tick bite on their first visit for medical care; often the rash appears several days after onset of fever and can evolve to become petechial. The absence of known tick bite is common and should not dissuade clinicians from suspecting RMSF. None of the patients in this report recalled a tick bite before illness onset, although all lived near wooded or grassy areas where ticks might have been present.

The infection can have a rapid course; 50% of RMSF deaths occur within 9 days of illness onset (1,2). Doxycycline therapy is considered the best treatment for RMSF in both adults and pediatric patients and is most successful when initiated within 5 days of illness onset (1,7). Delay of doxycycline therapy can increase the risk for severe or fatal outcomes; treatment should never be delayed pending laboratory confirmation.

Criteria for diagnosis\* of a confirmed infection include the presence of a clinically compatible illness, plus at least one of the following: 1) serologic evidence of a significant change (fourfold increase or greater) in antibody titer reactive with *R. rickettsii* antigens between paired serum specimens, as measured by a standardized assay conducted in a commercial, state, or reference laboratory; 2) demonstration of *R. rickettsii* antigen by IHC in a clinical specimen such as skin biopsy or

other tissue; 3) detection of *R. rickettsii* DNA by PCR in a clinical specimen, such as whole blood or tissue; or 4) isolation of *R. rickettsii* from a clinical specimen in cell culture. Probable cases have a clinically compatible illness and serologic evidence of antibodies reactive with *R. rickettsii* in a single serum sample at a titer considered indicative of current or past infection (cutoff titers are determined by individual laboratories). At CDC, reciprocal IFA IgG titers of  $\geq 64$  are considered to be evidence of current or past infection.

The most effective measures to reduce the risk for RMSF (particularly in children) are to 1) limit exposure to ticks during periods of peak tick activity (i.e., April–September); 2) inspect the head, body, and clothes for ticks thoroughly after being in wooded or grassy areas, especially along the edges of trails, roads, or yards; and 3) remove attached ticks immediately by grasping them with tweezers or forceps close to the skin and pulling gently with steady pressure. Because rapid laboratory confirmation of RMSF infection is not available, clinicians should consider initiating empiric therapy in patients with a compatible clinical presentation (e.g., fever usually with subsequent development of a macular or petechial rash) and epidemiologic circumstance (e.g., recent recreational or occupational activities during spring and summer months that could have exposed persons to ticks) to reduce morbidity and mortality resulting from delayed diagnosis (3,6). As a nationally notifiable disease, all RMSF cases should be reported to state health departments. Additional information about RMSF is available at <http://www.cdc.gov/ncidod/dvrd/rmsf/index.htm>.

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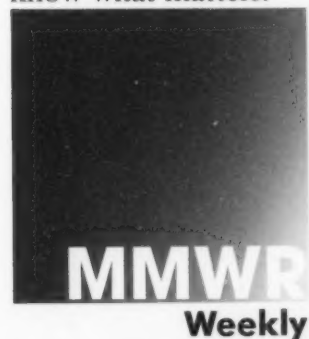
\* A case definition for RMSF is available at <http://www.cste.org/ps/2003pdfs/2003finalpdf/03-id-08revised.pdf>.

a•ware: *adj*

(ə-'wâr) 1 : marked by comprehension,  
cognizance, and perception; see  
also *MMWR*.



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## Multifocal Autochthonous Transmission of Malaria — Florida, 2003

The majority of malaria cases diagnosed in the United States are imported, usually by persons traveling from areas where malaria is endemic (1). However, small outbreaks of locally acquired mosquito-borne malaria continue to occur (2–4). During July–September 2003, an outbreak of malaria (eight cases of *Plasmodium vivax* malaria) occurred in Palm Beach County, Florida (5). During the same period, two patients were evaluated for malaria in neighboring Okeechobee County, approximately 75 miles from the Palm Beach County transmission area. One patient was thought to have acquired infection with the same parasite species (*P. vivax*), and concerns were raised about a possible link. To determine whether infection was acquired in Okeechobee County and whether a possible link existed to the Palm Beach County outbreak, the Florida Department of Health (FDOH) initiated an investigation. This report describes that investigation, which determined that although initial laboratory results suggested local transmission, subsequent evaluation and testing confirmed the case as imported malaria. These findings underscore the importance of a rapid and thorough investigation of any malaria case suspected to be acquired through local mosquito-borne transmission.

In August 2003, two men were evaluated for malaria at an Okeechobee County clinic after 4 days of fever, chills, myalgias, fatigue, nausea, and headache. The first patient was a native of Uganda (patient 1) who had arrived in the United States 2 months before onset of symptoms; the second patient was a U.S.-born Florida resident (patient 2) with no recent foreign travel to areas where malaria is endemic or other risk factors for malaria. Both patients were treated presumptively for symptoms with doxycycline and diclofenac, and thick and thin blood smears were obtained for testing. A private laboratory identified *P. vivax* on the smear from patient 1; no malaria parasites were identified on the smear from patient 2. Because of increased malaria awareness from the Palm Beach County outbreak, smears for both patients were forwarded to the Florida State Laboratory (FSL) and CDC for confirmation.

After microscopic examination of both smears, FSL and CDC observed that the smears had been prepared poorly. However, malaria parasites were confirmed on the smear labeled as collected from patient 2 rather than patient 1, and *P. vivax* was identified as the most likely species. Because neither patient reported travel to the Palm Beach County transmission area, investigators considered the possibility of local mosquito-borne transmission in Okeechobee County.

Discrepancies in the smear results reported by the private laboratory, FSL, and CDC prompted investigators to suspect the smears were switched en route to FSL. An audit was conducted to trace the positive smear to the correct patient. In addition, blood smear microscopy, serology, and polymerase chain reaction (PCR) were conducted on specimens drawn from both patients after treatment was started. The audit revealed that the positive smear originated from patient 1. No evidence of previous or current infection was confirmed in specimens for patient 2. For patient 1, serology confirmed either previous or recent infection with malaria, and PCR revealed current infection with *P. ovale*, not *P. vivax*. These conflicting results prompted a review of the original microscopic diagnosis of *P. vivax*. Because whole blood specimens from the original positive smear were not available, PCR analysis of material scraped from the original positive blood smear confirmed infection with *P. ovale* as the diagnosis for patient 1.

In September, additional case finding was initiated to determine whether local mosquito-borne transmission occurred in Okeechobee County. Medical charts were reviewed for 232 patients with unexplained febrile illness during the 2 weeks before symptom onsets for patients 1 and 2; no other cases of malaria were found. After *P. ovale* was identified in patient 1, whose only risk factor was recent travel to malaria-endemic Uganda, investigators concluded this was a case of imported malaria, and measures to control local transmission of malaria were decreased. Patient 1 received additional treatment with primaquine to prevent relapse of *P. ovale*. Education materials about recognizing symptoms of malaria and preventing mosquito-borne diseases were distributed to neighbors of patient 1. Patient 2 recovered from his symptoms without further treatment, and a nonspecific viral syndrome was diagnosed.

During September–October, Okeechobee County physicians continued to evaluate patients with febrile illness for malaria; no additional cases were found. Mosquito trapping and testing in the county confirmed the presence of competent vectors (*Anopheles* sp.), but no mosquitoes tested positive for malaria.

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**Editorial Note:** Approximately 60 cases of malaria are reported in Florida annually; nearly all are imported. Since the 1950s, only three outbreaks of local mosquito-borne transmission (Bay County 1990, one case of *P. vivax*; Palm Beach County

1996 and 2003, two and eight cases of *P. vivax*, respectively) have been reported (5–7). Because of its climate, proximity of human and mosquito populations, and the frequent travel of its residents and visitors from malarious areas, Florida often is perceived as vulnerable to the reestablishment of endemic malaria. However, endemic malaria was eradicated from Florida since the early 1950s, and reestablishment of endemic malaria is unlikely as long as present socioeconomic conditions and current health-care, mosquito-control, and public health infrastructures remain intact (2,4). Nevertheless, conditions exist for small outbreaks of locally acquired mosquito-borne transmission to occur sporadically.

This investigation demonstrates the need for proper smear preparation and accurate microscopic evaluation in confirming a case of malaria suspected as acquired through local mosquito-borne transmission. Errors in specimen handling and improper smear preparation complicated the process of identifying infection of patients and deciding whether control efforts were needed to prevent local mosquito-borne transmission. Investigators relied on additional laboratory methods (i.e., PCR and serology) to determine that the Okeechobee County case was not related to local mosquito-borne transmission.

Although additional testing was required to confirm diagnosis in the Okeechobee case, microscopic examination of thick and thin blood smears remains the standard for malaria diagnosis. Once a case of malaria is confirmed microscopically, a rapid and thorough case investigation must ensue to establish whether acquisition occurred locally or abroad. Control efforts must proceed on the basis of smear results and epidemiologic evidence and should not be delayed for additional tests. Local and state health officials should recognize that a patient who has malaria with no risk factors for malaria should be considered to have acquired the infection locally through mosquito-borne transmission until proven otherwise and investigated immediately.

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#### Notice to Readers

### Availability of Diphtheria Antitoxin Through an Investigational New Drug Protocol

Cases of respiratory diphtheria continue to occur sporadically among persons in the United States (1). Respiratory diphtheria is caused by toxigenic *Corynebacterium diphtheriae* (also, rarely, by toxigenic *C. ulcerans*) and frequently manifests insidiously as a membranous nasopharyngitis or obstructive laryngotracheitis accompanied by a low-grade fever. Respiratory diphtheria most often affects unvaccinated or inadequately vaccinated persons, particularly those who travel to areas where diphtheria is endemic and those who come into close contact with travelers from such areas (1). Effective treatment of respiratory diphtheria includes early administration of an equine diphtheria antitoxin (DAT). Delay in DAT administration can lead to life-threatening respiratory obstruction, myocarditis, and other complications. To ensure quick access to DAT, CDC maintains a stock of DAT for release to U.S. physicians.

No manufacturer has sought U.S. licensure of a DAT product since 1996. In 1997, an equine DAT product manufactured by Pasteur Merieux (Lyons, France) was made available in the United States through a Food and Drug Administration (FDA)-approved Investigational New Drug (IND) protocol (2). Production of this product ceased in 2002, and remaining supplies at CDC will expire on May 30, 2004.

To ensure the continued availability of DAT in the United States, CDC has procured an equine DAT product from the Instituto Butantan in Brazil. CDC will provide this product to U.S. physicians under an FDA-approved IND protocol. U.S. physicians caring for patients with suspected respiratory diphtheria can obtain DAT by contacting the diphtheria duty officer at CDC's Bacterial Vaccine Preventable Disease Branch in the Epidemiology and Surveillance Division of the National Immunization Program (telephone, 404-639-8257) from 8 a.m. to 4:30 p.m. Eastern time or from the Emergency Operations Center (telephone, 770-488-7100) at all other times. The duty officer will discuss the case and protocol with the physician and, if indicated, DAT will be rushed from one of eight U.S. Public Health Service quarantine stations. Respiratory diphtheria is a reportable disease; physicians should report any suspected case of respiratory diphtheria promptly to their local and state health departments.

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### *Notice to Readers*

#### **New Definitions for Travel Notices Regarding Diseases Abroad**

The Division of Global Migration and Quarantine, Travelers' Health, National Center for Infectious Diseases, is announcing new, scalable definitions for travel notices about disease occurrences abroad. The purpose is to refine the announcements so they are more easily understood by international travelers, U.S. citizens living abroad, health-care providers, and the general public. In addition, defining and describing levels of risk will clarify the need for travelers to take recommended preventive measures.

From a public health perspective, scalable definitions will enhance the usefulness of the travel notices, enabling them to be tailored readily in response to events and circumstances. A complete description of the definitions and criteria for issuing and removing travel notices at each of the four levels is available at <http://www.cdc.gov/travel>.

The new notices are as follows:

**In the News.** This notice provides information about sporadic cases of disease or an occurrence of disease of public

health concern affecting a traveler or travel destination. At this level, the risk for an individual traveler does not differ from the usual risk in that area.

**Outbreak Notice.** Information is provided regarding a disease outbreak in a limited geographic area or setting. The risk for travelers is defined and limited, and the notice reminds travelers about standard or enhanced travel recommendations such as vaccination.

**Travel Health Precaution.** Specific information is provided to travelers regarding a disease outbreak of greater scope and over a larger geographic area, aimed at reducing the risk for infection. This precaution also provides guidance to travelers about what to do if they become ill while in the area. At this level, CDC does not recommend against travel to a specific area, but might recommend limiting exposure to a defined setting (e.g., poultry farms or health-care facilities).

**Travel Health Warning.** A recommendation is issued against nonessential travel to an area because a disease of public health concern is expanding beyond the locales or populations that were affected initially. The purpose of a travel warning is to reduce the volume of traffic to affected areas, limiting the risk for spreading the disease to unaffected areas.

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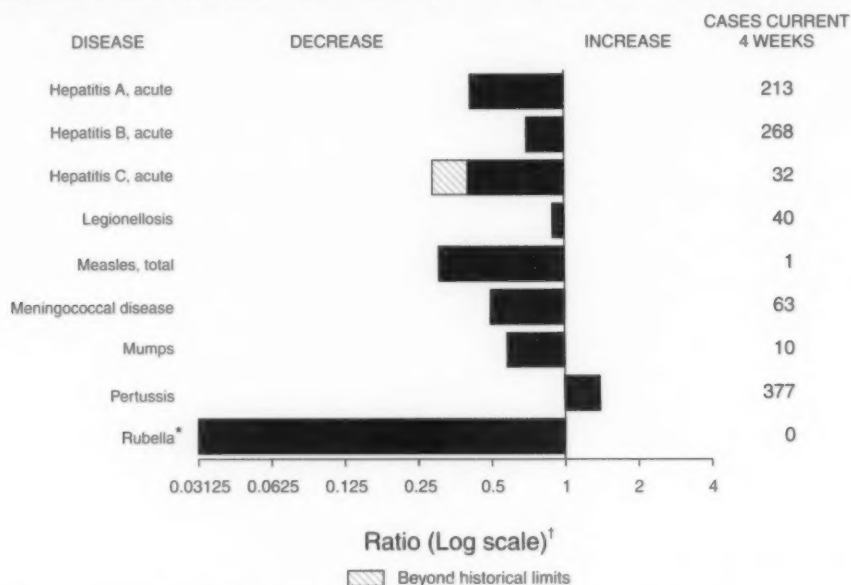
*Notice to Readers***Third Annual Partnership Conference  
on Public Health Law, June 14–16, 2004**

CDC and 20 multidisciplinary partner organizations are convening the conference, "The Public's Health and the Law in the 21st Century," June 14–16, 2004, in Atlanta, Georgia. The central theme is the practical use of law as a tool for improving community health.

Selected faculty include William H. Foege, senior medical advisor, Gates Foundation's Global Health Program; Georges C. Benjamin, executive director, American Public Health Association; William S. Duffey Jr., U.S. attorney for the Northern District of Georgia; M. Jane Brady, attorney general, Delaware; John Hurson, president-elect of the National Conference of State Legislatures; John O. Agwunobi, secretary of health,

Florida Department of Health; Fay W. Boozman, director, Arkansas Department of Public Health; William Kassler, medical director, New Hampshire Department of Health and Human Services; John Nilson, minister of health and minister responsible for seniors, Saskatchewan, Canada; Myongsei Sohn, professor and chairman, Department of Bioethics and Medical Law, Yonsei University, Seoul, Republic of Korea; Ralph Hingson, associate director for epidemiology and prevention research, National Institute for Alcohol Abuse and Alcoholism, National Institutes for Health; other state and local health directors; and CDC officials.

Continuing education credits are offered. Advance registration ends May 25. Additional program and registration information is available at [https://www.aslme.org/aslmesecure/info/description.php?conf\\_id=24](https://www.aslme.org/aslmesecure/info/description.php?conf_id=24) and by e-mail, [tlr8@cdc.gov](mailto:tlr8@cdc.gov).

**FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals May 15, 2004, with historical data**

\* No rubella cases were reported for the current 4-week period yielding a ratio for week 19 of zero (0).

† Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

**TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending May 15, 2004 (19th Week)\***

|  | Cum.<br>2004 | Cum.<br>2003 |   | Cum.<br>2004   | Cum.<br>2003 |
|--|--------------|--------------|---|----------------|--------------|
| Anthrax                                    | -            | -            | Hemolytic uremic syndrome, postdiarrheal <sup>†</sup> | 22             | 38           |
| Botulism:                                  | -            | -            | HIV infection, pediatric <sup>§</sup>                 | 52             | 86           |
| foodborne                                  | 6            | 6            | Measles, total  | 8 <sup>§</sup> | 22**         |
| infant                                     | 23           | 28           | Mumps   | 60             | 79           |
| other (wound & unspecified)                | 4            | 6            | Plague  | -              | -            |
| Brucellosis <sup>†</sup>                   | 28           | 31           | Poliomyelitis, paralytic                              | -              | -            |
| Chancroid                                  | 10           | 22           | Psittacosis <sup>†</sup>                              | 2              | 5            |
| Cholera                                    | 2            | 1            | Q fever <sup>†</sup>                                  | 11             | 22           |
| Cyclosporiasis <sup>†</sup>                | 41           | 14           | Rabies, human   | -              | -            |
| Diphtheria                                 | -            | -            | Rubella   | 10             | 3            |
| Ehrlichiosis:                              | -            | -            | Rubella, congenital syndrome                          | -              | 1            |
| human granulocytic (HGE) <sup>†</sup>      | 14           | 21           | SARS-associated coronavirus disease <sup>†</sup> ††   | -              | 5            |
| human monocytic (HME) <sup>†</sup>         | 16           | 18           | Smallpox <sup>†</sup> §§                              | -              | NA           |
| human, other and unspecified               | -            | 5            | <i>Staphylococcus aureus</i> :                        | -              | -            |
| Encephalitis/Meningitis:                   | -            | -            | Vancomycin-intermediate (VISA) <sup>†</sup> §§        | 4              | NA           |
| California serogroup viral <sup>†</sup>    | 1            | -            | Vancomycin-resistant (VRSA) <sup>†</sup> §§           | -              | NA           |
| eastern equine <sup>†</sup>                | -            | -            | Streptococcal toxic-shock syndrome <sup>†</sup>       | 39             | 82           |
| Powassan <sup>†</sup>                      | -            | -            | Tetanus   | 3              | 2            |
| St. Louis <sup>†</sup>                     | 1            | -            | Toxic-shock syndrome                                  | 41             | 51           |
| western equine <sup>†</sup>                | -            | -            | Trichinosis   | 2              | -            |
| Hansen disease (leprosy) <sup>†</sup>      | 27           | 30           | Tularemia <sup>†</sup>                                | 9              | 4            |
| Hantavirus pulmonary syndrome <sup>†</sup> | 4            | 5            | Yellow fever  | -              | -            |

-: No reported cases.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).

† Not notifiable in all states.

§ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update March 26, 2004.

† Of eight cases reported, five were indigenous, and three were imported from another country.

\*\* Of 22 cases reported, 16 were indigenous, and six were imported from another country.

†† Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (notifiable as of July 2003).

§§ Not previously notifiable.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending May 15, 2004, and May 10, 2003 (19th Week)\*

| Reporting area | AIDS          |              | Chlamydia†   |              | Coccidioidomycosis |              | Cryptosporidiosis |              | Encephalitis/Meningitis<br>West Nile |              |
|----------------|---------------|--------------|--------------|--------------|--------------------|--------------|-------------------|--------------|--------------------------------------|--------------|
|                | Cum.<br>2004‡ | Cum.<br>2003 | Cum.<br>2004 | Cum.<br>2003 | Cum.<br>2004       | Cum.<br>2003 | Cum.<br>2004      | Cum.<br>2003 | Cum.<br>2004                         | Cum.<br>2003 |
| UNITED STATES  | 8,989         | 15,309       | 294,394      | 312,148      | 1,642              | 1,216        | 819               | 684          | 4                                    | -            |
| NEW ENGLAND    | 312           | 499          | 10,105       | 10,027       | -                  | -            | 46                | 45           | -                                    | -            |
| Maine          | 5             | 23           | 652          | 707          | N                  | N            | 9                 | 2            | -                                    | -            |
| N.H.           | 11            | 12           | 562          | 571          | -                  | -            | 12                | 7            | -                                    | -            |
| Vt.            | 8             | 6            | 357          | 377          | -                  | -            | 6                 | 7            | -                                    | -            |
| Mass.          | 84            | 226          | 5,038        | 3,762        | -                  | -            | 13                | 22           | -                                    | -            |
| R.I.           | 32            | 38           | 1,238        | 1,185        | -                  | -            | 1                 | 5            | -                                    | -            |
| Conn.          | 172           | 194          | 2,258        | 3,425        | N                  | N            | 5                 | 2            | -                                    | -            |
| MID. ATLANTIC  | 1,286         | 3,333        | 39,919       | 37,976       | -                  | -            | 130               | 104          | -                                    | -            |
| Upstate N.Y.   | 134           | 182          | 7,881        | 6,782        | N                  | N            | 30                | 24           | -                                    | -            |
| N.Y. City      | 380           | 1,627        | 11,312       | 12,900       | -                  | -            | 29                | 38           | -                                    | -            |
| N.J.           | 387           | 595          | 4,730        | 5,388        | -                  | -            | 7                 | 3            | -                                    | -            |
| Pa.            | 385           | 929          | 15,996       | 12,906       | N                  | N            | 64                | 39           | -                                    | -            |
| E.N. CENTRAL   | 809           | 1,390        | 49,454       | 57,257       | 5                  | 2            | 189               | 163          | -                                    | -            |
| Ohio           | 231           | 228          | 11,488       | 15,820       | -                  | -            | 52                | 21           | -                                    | -            |
| Ind.           | 118           | 224          | 6,131        | 6,136        | N                  | N            | 30                | 14           | -                                    | -            |
| Ill.           | 279           | 595          | 12,846       | 17,906       | -                  | -            | 13                | 28           | -                                    | -            |
| Mich.          | 132           | 277          | 14,614       | 11,114       | 5                  | 2            | 48                | 29           | -                                    | -            |
| Wis.           | 49            | 66           | 4,375        | 6,281        | -                  | -            | 46                | 71           | -                                    | -            |
| W.N. CENTRAL   | 228           | 288          | 17,112       | 17,893       | 4                  | 1            | 93                | 63           | 1                                    | -            |
| Minn.          | 48            | 56           | 3,194        | 3,965        | N                  | N            | 40                | 32           | -                                    | -            |
| Iowa           | 11            | 34           | 1,087        | 1,851        | N                  | N            | 14                | 10           | -                                    | -            |
| Mo.            | 107           | 139          | 6,938        | 6,488        | 3                  | 1            | 16                | 6            | 1                                    | -            |
| N. Dak.        | 10            | -            | 369          | 506          | N                  | N            | -                 | 2            | -                                    | -            |
| S. Dak.        | -             | 6            | 944          | 872          | -                  | -            | 10                | 10           | -                                    | -            |
| Nebr.‡         | 6             | 22           | 1,873        | 1,667        | 1                  | -            | 3                 | 2            | -                                    | -            |
| Kans.          | 46            | 31           | 2,707        | 2,544        | N                  | N            | 10                | 1            | -                                    | -            |
| S. ATLANTIC    | 3,515         | 4,482        | 54,557       | 57,444       | -                  | 1            | 173               | 93           | 2                                    | -            |
| Del.           | 42            | 80           | 1,091        | 2,278        | N                  | N            | -                 | 1            | -                                    | -            |
| Md.            | 343           | 411          | 7,072        | 5,949        | -                  | 1            | 9                 | 8            | -                                    | -            |
| D.C.           | 149           | 476          | 1,285        | 1,240        | -                  | -            | 2                 | -            | -                                    | -            |
| Va.            | 141           | 421          | 8,277        | 6,586        | -                  | -            | 22                | 11           | -                                    | -            |
| W. Va.         | 30            | 32           | 1,019        | 933          | N                  | N            | 2                 | -            | -                                    | -            |
| N.C.           | 243           | 504          | 9,815        | 8,167        | N                  | N            | 31                | 10           | -                                    | -            |
| S.C.‡          | 205           | 311          | 6,465        | 4,600        | -                  | -            | 7                 | 2            | 2                                    | -            |
| Ga.            | 509           | 609          | 4,971        | 12,533       | -                  | -            | 55                | 33           | -                                    | -            |
| Fla.           | 1,853         | 1,638        | 14,562       | 15,158       | N                  | N            | 45                | 28           | -                                    | -            |
| E.S. CENTRAL   | 448           | 621          | 19,147       | 20,249       | N                  | N            | 35                | 41           | -                                    | -            |
| Ky.            | 42            | 67           | 2,033        | 3,049        | N                  | N            | 9                 | 9            | -                                    | -            |
| Tenn.          | 189           | 269          | 8,114        | 6,981        | N                  | N            | 12                | 12           | -                                    | -            |
| Ala.           | 127           | 144          | 4,138        | 5,477        | -                  | -            | 9                 | 17           | -                                    | -            |
| Miss.          | 90            | 141          | 4,862        | 4,742        | N                  | N            | 5                 | 3            | -                                    | -            |
| W.S. CENTRAL   | 1,309         | 1,634        | 37,928       | 38,863       | 1                  | -            | 23                | 15           | 1                                    | -            |
| Ark.           | 43            | 47           | 2,950        | 2,571        | 1                  | -            | 8                 | 2            | -                                    | -            |
| La.            | 281           | 192          | 9,373        | 6,883        | N                  | N            | -                 | 1            | 1                                    | -            |
| Okla.          | 37            | 74           | 3,689        | 3,802        | N                  | N            | 7                 | 3            | -                                    | -            |
| Tex.           | 948           | 1,321        | 21,916       | 25,607       | -                  | -            | 8                 | 9            | -                                    | -            |
| MOUNTAIN       | 259           | 586          | 15,041       | 18,913       | 1,017              | 843          | 39                | 31           | -                                    | -            |
| Mont.          | -             | 8            | 575          | 850          | N                  | N            | 4                 | 6            | -                                    | -            |
| Idaho          | 2             | 10           | 1,145        | 938          | N                  | N            | 4                 | 6            | -                                    | -            |
| Wyo.           | 2             | 4            | 412          | 380          | -                  | -            | 2                 | 1            | -                                    | -            |
| Colo.          | 48            | 127          | 2,687        | 4,768        | N                  | N            | 20                | 6            | -                                    | -            |
| N. Mex.        | 20            | 42           | 2,298        | 2,738        | 9                  | 1            | 1                 | 1            | -                                    | -            |
| Ariz.          | 109           | 274          | 5,388        | 5,760        | 975                | 826          | 6                 | 2            | -                                    | -            |
| Utah           | 19            | 29           | 845          | 1,252        | 12                 | 2            | 1                 | 7            | -                                    | -            |
| Nev.           | 59            | 92           | 1,691        | 2,227        | 21                 | 14           | 1                 | 2            | -                                    | -            |
| PACIFIC        | 823           | 2,476        | 51,131       | 53,526       | 613                | 368          | 91                | 129          | -                                    | -            |
| Wash.          | 127           | 178          | 6,345        | 5,688        | N                  | N            | 9                 | 12           | -                                    | -            |
| Oreg.          | 53            | 108          | 2,069        | 2,788        | -                  | -            | 11                | 15           | -                                    | -            |
| Calif.         | 604           | 2,148        | 40,790       | 41,714       | 613                | 368          | 70                | 102          | -                                    | -            |
| Alaska         | 8             | 9            | 1,349        | 1,356        | -                  | -            | -                 | -            | -                                    | -            |
| Hawaii         | 31            | 33           | 578          | 1,980        | -                  | -            | 1                 | -            | -                                    | -            |
| Guam           | 1             | 1            | -            | -            | -                  | -            | -                 | -            | -                                    | -            |
| P.R.           | 143           | 437          | 594          | 787          | N                  | N            | N                 | N            | -                                    | -            |
| V.I.           | 2             | 13           | 20           | 122          | -                  | -            | -                 | -            | -                                    | -            |
| Amer. Samoa    | U             | U            | U            | U            | U                  | U            | U                 | U            | U                                    | U            |
| C.N.M.I.       | 2             | U            | 32           | U            | -                  | U            | -                 | U            | -                                    | U            |

N: Not notifiable. U: Unavailable. -: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).

† Chlamydia refers to genital infections caused by *C. trachomatis*.

‡ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update March 26, 2004.

§ Contains data reported through National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 15, 2004, and May 10, 2003 (19th Week)\*

| Reporting area | Escherichia coli, Enterohemorrhagic (EHEC) |           |  |           |                                       |           | Giardiasis |           | Gonorrhea |           |
|----------------|--|-----------|--|-----------|---------------------------------------|-----------|------------|-----------|-----------|-----------|
|                | O157:H7                                    |           | Shiga toxin positive, serogroup non-O157 |           | Shiga toxin positive, not serogrouped |           |            |           |           |           |
|                | Cum. 2004                                  | Cum. 2003 | Cum. 2004                                | Cum. 2003 | Cum. 2004                             | Cum. 2003 | Cum. 2004  | Cum. 2003 | Cum. 2004 | Cum. 2003 |
| UNITED STATES  | 371  | 376       | 41                                       | 71        | 44                                    | 30        | 5,132      | 5,474     | 102,131   | 115,788   |
| NEW ENGLAND    | 26   | 19        | 2  | 11        | 8                                     | 2         | 454        | 406       | 2,369     | 2,522     |
| Maine          | -  | 3         | -  | -         | -                                     | -         | 47         | 41        | 97        | 68        |
| N.H.           | 4  | 6         | 1  | 1         | -                                     | -         | 13         | 19        | 43        | 44        |
| Vt.            | -  | -         | -  | -         | -                                     | -         | 34         | 30        | 26        | 32        |
| Mass.          | 10   | 4         | -  | 5         | 8                                     | 2         | 242        | 206       | 1,174     | 949       |
| R.I.           | 2  | 1         | -  | -         | -                                     | -         | 37         | 42        | 336       | 351       |
| Conn.          | 10   | 5         | 1  | 5         | -                                     | -         | 81         | 88        | 693       | 1,078     |
| MID. ATLANTIC  | 30   | 44        | 2  | 5         | 10                                    | 9         | 1,153      | 1,152     | 12,676    | 14,749    |
| Upstate N.Y.   | 10   | 13        | 2  | 3         | 4                                     | 4         | 372        | 277       | 2,641     | 2,525     |
| N.Y. City      | 4  | 3         | -  | -         | -                                     | -         | 354        | 439       | 3,597     | 4,892     |
| N.J.           | 4  | 5         | -  | -         | 2                                     | -         | 102        | 158       | 1,856     | 3,269     |
| Pa.            | 12   | 23        | -  | 2         | 4                                     | 5         | 325        | 278       | 4,582     | 4,063     |
| E.N. CENTRAL   | 66   | 95        | 11                                       | 16        | 4                                     | 6         | 619        | 981       | 19,943    | 24,950    |
| Ohio           | 19   | 19        | 1  | 9         | 4                                     | 6         | 264        | 285       | 5,504     | 8,102     |
| Ind.           | 8  | 11        | -  | -         | -                                     | -         | -          | -         | 2,118     | 2,326     |
| Ill.           | 14   | 20        | -  | 1         | -                                     | -         | 84         | 297       | 5,383     | 7,677     |
| Mich.          | 10   | 18        | 2  | -         | -                                     | -         | 187        | 231       | 5,717     | 4,700     |
| Wis.           | 15   | 27        | 8  | 6         | -                                     | -         | 84         | 168       | 1,221     | 2,145     |
| W.N. CENTRAL   | 60   | 50        | 7  | 7         | 9                                     | 6         | 611        | 537       | 5,517     | 5,905     |
| Minn.          | 23   | 18        | 3  | 6         | 2                                     | -         | 205        | 178       | 1,167     | 960       |
| Iowa           | 10   | 6         | -  | -         | -                                     | -         | 86         | 77        | 160       | 403       |
| Mo.            | 8  | 16        | 4  | 1         | 2                                     | -         | 170        | 160       | 2,763     | 3,024     |
| N. Dak.        | 2  | 1         | -  | -         | 3                                     | 1         | 11         | 16        | 39        | 25        |
| S. Dak.        | 2  | 2         | -  | -         | -                                     | -         | 19         | 15        | 100       | 62        |
| Nebr.          | 8  | 5         | -  | -         | -                                     | -         | 53         | 46        | 368       | 529       |
| Kans.          | 7  | 2         | -  | -         | 2                                     | 5         | 67         | 45        | 920       | 902       |
| S. ATLANTIC    | 37   | 28        | 14                                       | 21        | 6                                     | 1         | 848        | 825       | 24,394    | 27,755    |
| Del.           | -  | -         | N  | N         | N                                     | N         | 35         | 15        | 355       | 888       |
| Md.            | 4  | 1         | -  | -         | -                                     | 1         | 33         | 41        | 3,001     | 2,776     |
| D.C.           | 1  | 1         | -  | -         | -                                     | -         | 23         | 14        | 840       | 885       |
| Va.            | 1  | 8         | 6  | 1         | -                                     | -         | 132        | 93        | 3,324     | 3,037     |
| W. Va.         | 1  | 1         | -  | -         | -                                     | -         | 9          | 9         | 305       | 306       |
| N.C.           | -  | -         | 4  | 9         | -                                     | -         | N          | N         | 5,313     | 4,517     |
| S.C.           | 1  | -         | -  | -         | -                                     | -         | 17         | 42        | 2,929     | 2,675     |
| Ga.            | 13   | 6         | 3  | 2         | -                                     | -         | 222        | 268       | 2,329     | 6,007     |
| Fla.           | 16   | 11        | 1  | 9         | 6                                     | -         | 377        | 343       | 5,998     | 6,664     |
| E.S. CENTRAL   | 16   | 20        | 1  | -         | 5                                     | 3         | 107        | 108       | 8,336     | 9,856     |
| Ky.            | 7  | 8         | 1  | -         | 3                                     | 3         | N          | N         | 842       | 1,277     |
| Tenn.          | 3  | 9         | -  | -         | 2                                     | -         | 48         | 48        | 2,881     | 2,909     |
| Ala.           | 2  | 2         | -  | -         | -                                     | -         | 59         | 60        | 2,407     | 3,279     |
| Miss.          | 4  | 1         | -  | -         | -                                     | -         | -          | -         | 2,206     | 2,391     |
| W.S. CENTRAL   | 20   | 17        | -  | 2         | 1                                     | -         | 94         | 82        | 14,125    | 15,435    |
| Ark.           | 4  | 2         | -  | -         | -                                     | -         | 43         | 43        | 1,381     | 1,330     |
| La.            | -  | 1         | -  | -         | -                                     | -         | 12         | 6         | 4,259     | 3,821     |
| Okla.          | 4  | 2         | -  | -         | -                                     | -         | 39         | 33        | 1,581     | 1,456     |
| Tex.           | 12   | 12        | -  | 2         | 1                                     | -         | -          | -         | 6,904     | 8,828     |
| MOUNTAIN       | 59   | 41        | 3  | 7         | 1                                     | 3         | 434        | 431       | 3,532     | 3,975     |
| Mont.          | 2  | 1         | -  | -         | -                                     | -         | 14         | 20        | 19        | 52        |
| Idaho          | 10   | 11        | 1  | 4         | -                                     | -         | 55         | 57        | 32        | 30        |
| Wyo.           | -  | 1         | -  | -         | -                                     | -         | 5          | 5         | 21        | 18        |
| Colo.          | 25   | 14        | 1  | 1         | 1                                     | 3         | 145        | 125       | 862       | 1,076     |
| N. Mex.        | 4  | 1         | -  | 2         | -                                     | -         | 20         | 17        | 267       | 450       |
| Ariz.          | 6  | 9         | N  | N         | N                                     | N         | 72         | 75        | 1,531     | 1,514     |
| Utah           | 7  | 3         | -  | -         | -                                     | -         | 90         | 89        | 102       | 128       |
| Nev.           | 5  | 1         | 1  | -         | -                                     | -         | 33         | 43        | 698       | 707       |
| PACIFIC        | 57   | 62        | 1  | 2         | -                                     | -         | 812        | 952       | 11,239    | 10,641    |
| Wash.          | 16   | 19        | -  | 1         | -                                     | -         | 91         | 80        | 978       | 1,050     |
| Oreg.          | 9  | 8         | 1  | 1         | -                                     | -         | 144        | 106       | 265       | 349       |
| Calif.         | 26   | 34        | -  | -         | -                                     | -         | 523        | 700       | 9,627     | 8,659     |
| Alaska         | 1  | 1         | -  | -         | -                                     | -         | 24         | 30        | 230       | 196       |
| Hawaii         | 5  | -         | -  | -         | -                                     | -         | 30         | 36        | 139       | 387       |
| Guam           | N  | N         | -  | -         | -                                     | -         | -          | -         | -         | -         |
| P.R.           | -  | 1         | -  | -         | -                                     | -         | 8          | 41        | 57        | 82        |
| V.I.           | -  | -         | -  | -         | -                                     | -         | -          | -         | 4         | 37        |
| Amer. Samoa    | U  | U         | U  | U         | U                                     | U         | U          | U         | U         | U         |
| C.N.M.I.       | -  | U         | -  | U         | -                                     | U         | -          | U         | 3         | U         |

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).



TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 15, 2004, and May 10, 2003 (19th Week)\*

| Reporting area | Haemophilus influenzae, invasive |              |              |              |                |              |                  |              | Hepatitis<br>(viral, acute), by type |              |
|----------------|----------------------------------|--------------|--------------|--------------|----------------|--------------|------------------|--------------|--------------------------------------|--------------|
|                | All ages                         |              | Age <5 years |              |                |              |                  |              | A                                    |              |
|                | All serotypes                    |              | Serotype b   |              | Non-serotype b |              | Unknown serotype |              | Cum.<br>2004                         | Cum.<br>2003 |
|                | Cum.<br>2004                     | Cum.<br>2003 | Cum.<br>2004 | Cum.<br>2003 | Cum.<br>2004   | Cum.<br>2003 | Cum.<br>2004     | Cum.<br>2003 |                                      |              |
| UNITED STATES  | 788                              | 674          | 7            | 10           | 41             | 50           | 87               | 82           | 1,951                                | 2,270        |
| NEW ENGLAND    | 70                               | 48           | 1            | 1            | 4              | 3            | 2                | 3            | 345                                  | 89           |
| Maine          | 7                                | 2            | -            | -            | -              | -            | -                | 1            | 8                                    | 1            |
| N.H.           | 12                               | 5            | -            | -            | 2              | -            | -                | -            | 6                                    | 6            |
| Vt.            | 4                                | 6            | -            | -            | -              | -            | -                | -            | 5                                    | 4            |
| Mass.          | 29                               | 23           | 1            | 1            | -              | 3            | 2                | 1            | 291                                  | 43           |
| R.I.           | 2                                | 2            | -            | -            | -              | -            | -                | -            | 6                                    | 9            |
| Conn.          | 16                               | 10           | -            | -            | 2              | -            | -                | -            | 29                                   | 26           |
| MID. ATLANTIC  | 149                              | 113          | -            | -            | 3              | 1            | 22               | 16           | 226                                  | 478          |
| Upstate N.Y.   | 55                               | 32           | -            | -            | 3              | 1            | 3                | 3            | 31                                   | 37           |
| N.Y. City      | 27                               | 20           | -            | -            | -              | -            | 6                | 4            | 75                                   | 176          |
| N.J.           | 25                               | 25           | -            | -            | -              | -            | 2                | 3            | 45                                   | 81           |
| Pa.            | 42                               | 36           | -            | -            | -              | -            | 11               | 6            | 75                                   | 184          |
| E.N. CENTRAL   | 115                              | 112          | -            | 1            | 10             | 4            | 16               | 22           | 175                                  | 216          |
| Ohio           | 55                               | 29           | -            | -            | 2              | -            | 9                | 6            | 19                                   | 36           |
| Ind.           | 20                               | 18           | -            | -            | 4              | 2            | 1                | -            | 15                                   | 13           |
| Ill.           | 19                               | 47           | -            | -            | -              | -            | 5                | 13           | 63                                   | 69           |
| Mich.          | 9                                | 7            | -            | 1            | 4              | 2            | -                | -            | 61                                   | 72           |
| Wis.           | 12                               | 11           | -            | -            | -              | -            | 1                | 3            | 17                                   | 26           |
| W.N. CENTRAL   | 40                               | 45           | 1            | -            | 2              | 5            | 3                | 4            | 62                                   | 59           |
| Minn.          | 14                               | 18           | -            | -            | 2              | 5            | -                | -            | 10                                   | 14           |
| Iowa           | 1                                | -            | 1            | -            | -              | -            | -                | -            | 18                                   | 13           |
| Mo.            | 13                               | 17           | -            | -            | -              | -            | 2                | 4            | 19                                   | 16           |
| N. Dak.        | 3                                | 1            | -            | -            | -              | -            | -                | -            | 1                                    | -            |
| S. Dak.        | -                                | 1            | -            | -            | -              | -            | -                | -            | 2                                    | -            |
| Nebr.          | 4                                | -            | -            | -            | -              | -            | -                | -            | 7                                    | 3            |
| Kans.          | 5                                | 8            | -            | -            | -              | -            | 1                | -            | 5                                    | 13           |
| S. ATLANTIC    | 216                              | 137          | -            | -            | 9              | 6            | 18               | 9            | 377                                  | 531          |
| Del.           | 11                               | -            | -            | -            | -              | -            | 4                | -            | 6                                    | 4            |
| Md.            | 35                               | 31           | -            | -            | 2              | 4            | -                | -            | 59                                   | 50           |
| D.C.           | -                                | -            | -            | -            | -              | -            | 1                | 3            | 3                                    | 17           |
| Va.            | 17                               | 15           | -            | -            | -              | -            | -                | -            | 29                                   | 35           |
| W. Va.         | 8                                | 3            | -            | -            | -              | -            | 3                | -            | 2                                    | 5            |
| N.C.           | 24                               | 10           | -            | -            | 3              | -            | -                | -            | 25                                   | 26           |
| S.C.           | 2                                | 2            | -            | -            | -              | -            | -                | -            | 13                                   | 22           |
| Ga.            | 69                               | 28           | -            | -            | -              | -            | 10               | 4            | 145                                  | 214          |
| Fla.           | 50                               | 48           | -            | -            | 4              | 2            | -                | 2            | 95                                   | 158          |
| E.S. CENTRAL   | 27                               | 40           | -            | 1            | -              | 2            | 7                | 4            | 64                                   | 62           |
| Ky.            | -                                | 3            | -            | -            | -              | 1            | -                | -            | 9                                    | 11           |
| Tenn.          | 18                               | 21           | -            | -            | -              | 1            | 5                | 3            | 39                                   | 31           |
| Ala.           | 9                                | 16           | -            | 1            | -              | -            | 2                | 1            | 6                                    | 9            |
| Miss.          | -                                | -            | -            | -            | -              | -            | -                | -            | 10                                   | 11           |
| W.S. CENTRAL   | 29                               | 35           | 1            | -            | 3              | 4            | 1                | 3            | 134                                  | 220          |
| Ark.           | -                                | 4            | -            | -            | -              | 1            | -                | -            | 31                                   | 12           |
| La.            | 4                                | 12           | -            | -            | -              | 1            | 1                | 3            | 5                                    | 21           |
| Okla.          | 24                               | 19           | -            | -            | 3              | 2            | -                | -            | 15                                   | 4            |
| Tex.           | 1                                | -            | 1            | -            | -              | -            | -                | -            | 83                                   | 183          |
| MOUNTAIN       | 109                              | 87           | 2            | 5            | 10             | 13           | 14               | 11           | 184                                  | 151          |
| Mont.          | -                                | -            | -            | -            | -              | -            | -                | -            | 3                                    | 2            |
| Idaho          | 3                                | 1            | -            | -            | -              | -            | 1                | 1            | 9                                    | 7            |
| Wyo.           | -                                | -            | -            | -            | -              | -            | -                | -            | 1                                    | 1            |
| Colo.          | 31                               | 15           | -            | -            | -              | -            | 5                | 4            | 27                                   | 20           |
| N. Mex.        | 19                               | 12           | -            | -            | 3              | 3            | 3                | 1            | 4                                    | 8            |
| Ariz.          | 42                               | 48           | -            | 5            | 6              | 6            | 1                | 3            | 112                                  | 85           |
| Utah           | 8                                | 7            | 2            | -            | -              | 2            | 3                | 2            | 23                                   | 11           |
| Nev.           | 6                                | 4            | -            | -            | 1              | 2            | 1                | -            | 5                                    | 17           |
| PACIFIC        | 33                               | 57           | 2            | 2            | -              | 12           | 4                | 10           | 384                                  | 464          |
| Wash.          | 3                                | 3            | 2            | -            | -              | 2            | 1                | 1            | 21                                   | 24           |
| Oreg.          | 21                               | 18           | -            | -            | -              | -            | -                | 2            | 26                                   | 28           |
| Calif.         | 3                                | 32           | -            | 2            | -              | 10           | 2                | 7            | 327                                  | 405          |
| Alaska         | 1                                | -            | -            | -            | -              | -            | 1                | -            | 3                                    | 4            |
| Hawaii         | 5                                | 4            | -            | -            | -              | -            | -                | -            | 7                                    | 3            |
| Guam           | -                                | -            | -            | -            | -              | -            | -                | -            | -                                    | -            |
| P.R.           | -                                | -            | -            | -            | -              | -            | -                | -            | 7                                    | 32           |
| V.I.           | -                                | -            | -            | -            | -              | -            | -                | -            | -                                    | -            |
| Amer. Samoa    | U                                | U            | U            | U            | U              | U            | U                | U            | U                                    | U            |
| C.N.M.I.       | -                                | U            | -            | U            | -              | U            | -                | U            | -                                    | U            |

N: Not notifiable. U: Unavailable. -: No reported cases.  
 \* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 15, 2004, and May 10, 2003 (19th Week)\*

| Reporting area | Hepatitis (viral, acute), by type |              |              |              | Legionellosis |              | Listeriosis  |              | Lyme disease |              |
|----------------|-----------------------------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|
|                | B                                 |              | C            |              | Cum.<br>2004  | Cum.<br>2003 | Cum.<br>2004 | Cum.<br>2003 | Cum.<br>2004 | Cum.<br>2003 |
|                | Cum.<br>2004                      | Cum.<br>2003 | Cum.<br>2004 | Cum.<br>2003 |               |              |              |              |              |              |
| UNITED STATES  | 2,113                             | 2,310        | 418          | 405          | 345           | 355          | 145          | 171          | 2,458        | 2,774        |
| NEW ENGLAND    | 83                                | 122          | 1            | 1            | 6             | 14           | 6            | 7            | 213          | 286          |
| Maine          | 1                                 | -            | -            | -            | -             | -            | 2            | -            | 31           | -            |
| N.H.           | 17                                | 5            | -            | -            | -             | 2            | 1            | 2            | 11           | 5            |
| Vt.            | 1                                 | 1            | 1            | 1            | -             | 1            | -            | -            | 9            | 3            |
| Mass.          | 61                                | 87           | -            | -            | 2             | 6            | -            | 3            | 91           | 151          |
| R.I.           | 1                                 | 3            | -            | -            | 1             | 1            | 1            | -            | 21           | 66           |
| Conn.          | 2                                 | 26           | U            | U            | 3             | 4            | 2            | 2            | 50           | 61           |
| MID. ATLANTIC  | 308                               | 315          | 42           | 45           | 77            | 71           | 31           | 34           | 1,898        | 2,074        |
| Upstate N.Y.   | 36                                | 25           | 4            | 7            | 17            | 22           | 10           | 7            | 703          | 645          |
| N.Y. City      | 28                                | 111          | -            | -            | 3             | 8            | 3            | 8            | -            | 3            |
| N.J.           | 135                               | 86           | -            | -            | 19            | 5            | 8            | 6            | 394          | 509          |
| Pa.            | 109                               | 93           | 38           | 38           | 38            | 36           | 10           | 13           | 801          | 917          |
| E.N. CENTRAL   | 171                               | 173          | 23           | 62           | 77            | 79           | 20           | 20           | 32           | 81           |
| Ohio           | 61                                | 51           | 2            | 4            | 38            | 30           | 8            | 3            | 26           | 11           |
| Ind.           | 8                                 | 10           | 2            | -            | 7             | 4            | 4            | 1            | -            | 5            |
| Ill.           | -                                 | -            | 2            | 11           | 2             | 13           | -            | 5            | -            | 2            |
| Mich.          | 102                               | 90           | 17           | 44           | 29            | 25           | 7            | 7            | -            | -            |
| Wis.           | -                                 | 22           | -            | 3            | 2             | 7            | 1            | 4            | 6            | 63           |
| W.N. CENTRAL   | 152                               | 107          | 173          | 88           | 8             | 12           | 4            | 4            | 36           | 27           |
| Minn.          | 12                                | 13           | 1            | 1            | -             | 2            | 2            | 2            | 12           | 17           |
| Iowa           | 6                                 | 4            | -            | -            | 2             | 4            | 1            | -            | 5            | 4            |
| Mo.            | 117                               | 71           | 172          | 87           | 4             | 3            | 1            | -            | 16           | 5            |
| N. Dak.        | 1                                 | -            | -            | -            | 1             | 1            | -            | -            | -            | -            |
| S. Dak.        | -                                 | 1            | -            | -            | 1             | -            | -            | -            | -            | -            |
| Nebr.          | 9                                 | 11           | -            | -            | -             | 1            | -            | 2            | 1            | -            |
| Kans.          | 7                                 | 7            | -            | -            | -             | 1            | -            | -            | 2            | 1            |
| S. ATLANTIC    | 679                               | 609          | 66           | 69           | 90            | 101          | 25           | 38           | 235          | 223          |
| Del.           | 16                                | 3            | -            | -            | 6             | -            | N            | N            | 37           | 44           |
| Md.            | 60                                | 41           | 5            | 5            | 13            | 17           | 4            | 4            | 129          | 136          |
| D.C.           | 9                                 | 1            | 1            | -            | 1             | 1            | -            | -            | 2            | 3            |
| Va.            | 72                                | 40           | 9            | 1            | 6             | 6            | 3            | 4            | 9            | 10           |
| W. Va.         | 2                                 | 7            | 6            | 1            | 2             | -            | 1            | 1            | 1            | -            |
| N.C.           | 57                                | 50           | 6            | 3            | 8             | 9            | 4            | 7            | 34           | 17           |
| S.C.           | 37                                | 58           | 1            | 17           | 1             | 4            | -            | 2            | 1            | 1            |
| Ga.            | 232                               | 189          | 7            | 6            | 8             | 10           | 6            | 10           | 1            | 5            |
| Fla.           | 194                               | 220          | 31           | 36           | 45            | 54           | 7            | 10           | 21           | 7            |
| E.S. CENTRAL   | 218                               | 141          | 30           | 36           | 14            | 15           | 6            | 5            | 8            | 14           |
| Ky.            | 17                                | 28           | 12           | 7            | 3             | 3            | 2            | -            | 5            | 2            |
| Tenn.          | 67                                | 46           | 8            | 6            | 9             | 7            | 4            | 1            | 2            | 6            |
| Ala.           | 22                                | 29           | -            | 4            | 2             | 3            | -            | 3            | -            | -            |
| Miss.          | 112                               | 38           | 10           | 19           | -             | 2            | -            | 1            | 1            | 6            |
| W.S. CENTRAL   | 55                                | 344          | 46           | 64           | 23            | 21           | 13           | 21           | 2            | 36           |
| Ark.           | 17                                | 35           | -            | 3            | -             | -            | -            | -            | -            | -            |
| La.            | 23                                | 60           | 25           | 39           | 1             | 1            | 1            | 1            | -            | 4            |
| Okla.          | 14                                | 17           | 2            | -            | 2             | 2            | -            | 1            | -            | -            |
| Tex.           | 1                                 | 232          | 19           | 22           | 20            | 18           | 12           | 19           | 2            | 32           |
| MOUNTAIN       | 177                               | 208          | 18           | 12           | 23            | 20           | 6            | 11           | 6            | 3            |
| Mont.          | -                                 | 8            | 2            | 1            | -             | -            | -            | 1            | -            | -            |
| Idaho          | 4                                 | 2            | -            | 1            | 1             | 2            | 1            | -            | -            | 1            |
| Wyo.           | 3                                 | 9            | -            | -            | 4             | 1            | -            | -            | -            | -            |
| Colo.          | 27                                | 32           | 4            | 4            | 3             | 4            | 1            | 4            | -            | -            |
| N. Mex.        | 5                                 | 16           | 3            | -            | -             | 2            | -            | 2            | -            | -            |
| Ariz.          | 90                                | 104          | 2            | 3            | 5             | 6            | -            | 4            | 1            | -            |
| Utah           | 20                                | 12           | -            | -            | 9             | 3            | -            | -            | 4            | 1            |
| Nev.           | 28                                | 25           | 7            | 3            | 1             | 2            | 4            | -            | -            | 1            |
| PACIFIC        | 270                               | 291          | 19           | 28           | 26            | 22           | 34           | 31           | 28           | 30           |
| Wash.          | 22                                | 29           | 4            | 7            | 5             | 2            | 5            | 3            | 3            | -            |
| Oreg.          | 41                                | -            | 4            | 4            | N             | N            | 4            | 1            | 9            | 8            |
| Calif.         | 194                               | 253          | 9            | 16           | 21            | 20           | 25           | 27           | 16           | 21           |
| Alaska         | 12                                | 3            | -            | -            | -             | -            | -            | -            | -            | 1            |
| Hawaii         | 1                                 | 6            | 2            | 1            | -             | -            | -            | -            | N            | N            |
| Guam           | -                                 | -            | -            | -            | -             | -            | -            | -            | -            | -            |
| P.R.           | 9                                 | 54           | -            | -            | 1             | -            | -            | -            | N            | N            |
| V.I.           | -                                 | -            | -            | -            | -             | -            | -            | -            | -            | -            |
| Amer. Samoa    | U                                 | U            | U            | U            | U             | U            | U            | U            | U            | U            |
| C.N.M.I.       | -                                 | U            | -            | U            | -             | U            | -            | U            | -            | U            |

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 15, 2004, and May 10, 2003 (19th Week)\*

| Reporting area | Malaria   |           | Meningococcal disease |           | Pertussis |           | Rabies, animal |           | Rocky Mountain spotted fever |           |
|----------------|-----------|-----------|-----------------------|-----------|-----------|-----------|----------------|-----------|------------------------------|-----------|
|                | Cum. 2004 | Cum. 2003 | Cum. 2004             | Cum. 2003 | Cum. 2004 | Cum. 2003 | Cum. 2004      | Cum. 2003 | Cum. 2004                    | Cum. 2003 |
| UNITED STATES  | 343       | 347       | 632                   | 758       | 2,858     | 2,320     | 1,273          | 2,524     | 176                          | 111       |
| NEW ENGLAND    | 28        | 8         | 28                    | 35        | 640       | 236       | 174            | 162       | 9                            | -         |
| Maine          | 2         | 1         | 7                     | 5         | -         | 2         | 18             | 14        | -                            | -         |
| N.H.           | -         | 2         | 3                     | 3         | 20        | 14        | 6              | 9         | -                            | -         |
| Vt.            | 1         | -         | 1                     | -         | 26        | 26        | 6              | 10        | -                            | -         |
| Mass.          | 16        | 5         | 17                    | 21        | 576       | 178       | 73             | 61        | 9                            | -         |
| R.I.           | 2         | -         | -                     | 2         | 9         | 1         | 10             | 20        | -                            | -         |
| Conn.          | 7         | -         | -                     | 4         | 9         | 15        | 61             | 48        | -                            | -         |
| MID. ATLANTIC  | 66        | 83        | 77                    | 86        | 776       | 210       | 141            | 298       | 14                           | 10        |
| Upstate N.Y.   | 13        | 17        | 19                    | 14        | 590       | 80        | 108            | 104       | 1                            | -         |
| N.Y. City      | 25        | 43        | 14                    | 19        | -         | 26        | 4              | 2         | 2                            | 4         |
| N.J.           | 12        | 9         | 15                    | 11        | 67        | 35        | -              | 62        | 3                            | 4         |
| Pa.            | 16        | 14        | 29                    | 42        | 119       | 69        | 29             | 130       | 8                            | 2         |
| E.N. CENTRAL   | 22        | 36        | 91                    | 120       | 321       | 161       | 10             | 13        | 9                            | 2         |
| Ohio           | 7         | 6         | 37                    | 31        | 151       | 80        | 5              | 5         | 6                            | 1         |
| Ind.           | -         | -         | 10                    | 18        | 23        | 22        | 2              | 2         | 1                            | -         |
| Ill.           | 2         | 17        | 9                     | 35        | -         | -         | 2              | 1         | -                            | -         |
| Mich.          | 8         | 10        | 29                    | 21        | 36        | 16        | 1              | 5         | 2                            | 1         |
| Wis.           | 5         | 3         | 6                     | 15        | 111       | 43        | -              | -         | -                            | -         |
| W.N. CENTRAL   | 22        | 14        | 36                    | 55        | 146       | 108       | 127            | 242       | 6                            | 4         |
| Minn.          | 9         | 8         | 9                     | 13        | 28        | 33        | 17             | 11        | -                            | -         |
| Iowa           | 1         | 2         | 9                     | 10        | 21        | 33        | 19             | 25        | -                            | 1         |
| Mo.            | 3         | 1         | 9                     | 22        | 75        | 23        | 5              | 2         | 6                            | 3         |
| N. Dak.        | 2         | -         | -                     | -         | 5         | 2         | 21             | 22        | -                            | -         |
| S. Dak.        | 1         | -         | 1                     | 1         | 7         | 2         | 10             | 50        | -                            | -         |
| Nebr.          | 1         | -         | 1                     | 5         | -         | 1         | 15             | 49        | -                            | -         |
| Kans.          | 5         | 3         | 7                     | 4         | 10        | 14        | 40             | 83        | -                            | -         |
| S. ATLANTIC    | 111       | 86        | 123                   | 140       | 181       | 151       | 630            | 1,023     | 94                           | 85        |
| Del.           | 4         | -         | 2                     | 8         | 6         | 1         | 18             | 16        | -                            | -         |
| Md.            | 26        | 24        | 5                     | 12        | 35        | 17        | 50             | 139       | 7                            | 14        |
| D.C.           | 5         | 5         | 4                     | 1         | 1         | -         | -              | -         | -                            | -         |
| Va.            | 10        | 7         | 7                     | 8         | 46        | 33        | 135            | 197       | -                            | 1         |
| W. Va.         | -         | 2         | 3                     | 1         | 2         | 1         | 26             | 28        | -                            | -         |
| N.C.           | 5         | 6         | 18                    | 16        | 33        | 54        | 238            | 263       | 78                           | 47        |
| S.C.           | 5         | 1         | 10                    | 11        | 17        | 7         | 56             | 58        | 2                            | 8         |
| Ga.            | 16        | 14        | 15                    | 18        | 18        | 14        | 98             | 134       | 4                            | 12        |
| Fla.           | 40        | 27        | 59                    | 65        | 23        | 24        | 9              | 188       | 3                            | 3         |
| E.S. CENTRAL   | 10        | 9         | 25                    | 32        | 37        | 42        | 45             | 76        | 23                           | 8         |
| Ky.            | 1         | 1         | 3                     | 3         | 7         | 9         | 7              | 11        | -                            | -         |
| Tenn.          | 2         | 4         | 9                     | 8         | 22        | 20        | 17             | 58        | 14                           | 4         |
| Ala.           | 5         | 2         | 6                     | 9         | 4         | 9         | 19             | 6         | 3                            | -         |
| Miss.          | 2         | 2         | 7                     | 12        | 4         | 4         | 2              | 1         | 6                            | 4         |
| W.S. CENTRAL   | 28        | 42        | 58                    | 98        | 100       | 122       | 63             | 610       | 16                           | 1         |
| Ark.           | 2         | 3         | 12                    | 8         | 6         | 7         | 20             | 25        | -                            | -         |
| La.            | 2         | 2         | 14                    | 29        | 2         | 4         | -              | -         | 3                            | -         |
| Okla.          | 1         | 2         | 3                     | 8         | 12        | 4         | 43             | 95        | 13                           | -         |
| Tex.           | 23        | 35        | 29                    | 53        | 80        | 107       | -              | 490       | -                            | 1         |
| MOUNTAIN       | 14        | 11        | 33                    | 35        | 358       | 407       | 31             | 33        | 1                            | 1         |
| Mont.          | -         | -         | 1                     | 2         | 7         | -         | 4              | 5         | -                            | -         |
| Idaho          | 1         | 1         | 4                     | 2         | 15        | 9         | -              | 1         | -                            | -         |
| Wyo.           | -         | -         | 2                     | 2         | 3         | 117       | -              | -         | -                            | 1         |
| Colo.          | 6         | 8         | 14                    | 5         | 198       | 146       | 2              | 1         | 1                            | -         |
| N. Mex.        | 1         | -         | 4                     | 4         | 43        | 22        | -              | 2         | -                            | -         |
| Ariz.          | 1         | 1         | 5                     | 16        | 57        | 75        | 25             | 24        | -                            | -         |
| Utah           | 3         | 1         | 3                     | -         | 26        | 29        | -              | -         | -                            | -         |
| Nev.           | 2         | -         | -                     | 4         | 9         | 9         | -              | -         | -                            | -         |
| PACIFIC        | 42        | 58        | 161                   | 157       | 299       | 883       | 52             | 67        | 4                            | -         |
| Wash.          | 2         | 8         | 13                    | 14        | 144       | 145       | -              | -         | -                            | -         |
| Oreg.          | 7         | 5         | 34                    | 28        | 112       | 111       | -              | 1         | 2                            | -         |
| Calif.         | 32        | 45        | 109                   | 106       | 35        | 625       | 44             | 61        | 2                            | -         |
| Alaska         | -         | -         | 1                     | 2         | 3         | -         | 8              | 5         | -                            | -         |
| Hawaii         | 1         | -         | 4                     | 7         | 5         | 2         | -              | -         | -                            | -         |
| Guam           | -         | -         | -                     | -         | -         | -         | -              | -         | -                            | -         |
| P.R.           | -         | -         | 2                     | 5         | 1         | -         | 17             | 25        | N                            | N         |
| V.I.           | -         | -         | -                     | -         | -         | -         | -              | -         | -                            | -         |
| Amer. Samoa    | U         | U         | U                     | U         | U         | U         | U              | U         | U                            | U         |
| C.N.M.I.       | -         | U         | -                     | U         | -         | U         | -              | U         | -                            | U         |

N: Not notifiable.

U: Unavailable.

- : No reported cases.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 15, 2004, and May 10, 2003 (19th Week)\*

| Reporting area | Salmonellosis |           | Shigellosis |           | Streptococcal disease, invasive, group A |           | Streptococcus pneumoniae, invasive |           |              |           |
|----------------|---------------|-----------|-------------|-----------|--|-----------|------------------------------------|-----------|--------------|-----------|
|                | Cum. 2004     | Cum. 2003 | Cum. 2004   | Cum. 2003 | Cum. 2004                                | Cum. 2003 | Drug resistant, all ages           |           | Age <5 years |           |
|                |               |           |             |           |  |           | Cum. 2004                          | Cum. 2003 | Cum. 2004    | Cum. 2003 |
| UNITED STATES  | 8,810         | 9,527     | 3,428       | 7,264     | 2,061                                    | 2,782     | 1,129                              | 1,073     | 200          | 250       |
| NEW ENGLAND    | 388           | 469       | 77          | 105       | 93                                       | 266       | 13                                 | 44        | 4            | 1         |
| Maine          | 29            | 26        | 1           | 4         | 3  | 13        | 1                                  | -         | -            | -         |
| N.H.           | 24            | 32        | 3           | 3         | 9  | 15        | -                                  | -         | N            | N         |
| Vt.            | 18            | 15        | 2           | 3         | 4  | 12        | 6                                  | 5         | 1            | 1         |
| Mass.          | 225           | 273       | 53          | 68        | 61                                       | 123       | N                                  | N         | N            | N         |
| R.I.           | 32            | 25        | 4           | 3         | 16                                       | 1         | 6                                  | -         | 3            | -         |
| Conn.          | 60            | 98        | 14          | 24        | -  | 102       | -                                  | 39        | U            | U         |
| MID. ATLANTIC  | 1,141         | 1,201     | 408         | 603       | 304                                      | 472       | 76                                 | 60        | 46           | 43        |
| Upstate N.Y.   | 293           | 233       | 176         | 110       | 115                                      | 169       | 36                                 | 26        | 33           | 31        |
| N.Y. City      | 307           | 358       | 118         | 147       | 39                                       | 64        | U                                  | U         | U            | U         |
| N.J.           | 185           | 201       | 66          | 147       | 48                                       | 102       | N                                  | N         | N            | N         |
| Pa.            | 356           | 409       | 48          | 199       | 102                                      | 137       | 40                                 | 34        | 13           | 12        |
| E.N. CENTRAL   | 1,248         | 1,330     | 261         | 573       | 352                                      | 707       | 247                                | 222       | 68           | 94        |
| Ohio           | 326           | 384       | 64          | 92        | 125                                      | 153       | 186                                | 146       | 45           | 51        |
| Ind.           | 132           | 114       | 47          | 41        | 44                                       | 61        | 61                                 | 76        | 16           | 15        |
| Ill.           | 321           | 449       | 87          | 316       | 35                                       | 197       | -                                  | -         | -            | -         |
| Mich.          | 240           | 188       | 34          | 81        | 136                                      | 200       | N                                  | N         | N            | N         |
| Wis.           | 229           | 195       | 29          | 43        | 12                                       | 96        | N                                  | N         | 7            | 28        |
| W.N. CENTRAL   | 616           | 524       | 123         | 240       | 158                                      | 174       | 106                                | 92        | 21           | 19        |
| Minn.          | 154           | 145       | 17          | 33        | 73                                       | 82        | -                                  | -         | 18           | 16        |
| Iowa           | 122           | 109       | 29          | 20        | N  | N         | N                                  | N         | N            | N         |
| Mo.            | 169           | 134       | 39          | 89        | 38                                       | 38        | 5                                  | 6         | 3            | 1         |
| N. Dak.        | 13            | 12        | 1           | 3         | 6  | 8         | -                                  | 3         | -            | 2         |
| S. Dak.        | 23            | 22        | 6           | 8         | 8  | 14        | 1                                  | -         | -            | -         |
| Nebr.          | 45            | 42        | 7           | 60        | 8  | 17        | -                                  | -         | N            | N         |
| Kans.          | 90            | 60        | 24          | 27        | 25                                       | 15        | 100                                | 83        | N            | N         |
| S. ATLANTIC    | 2,096         | 2,221     | 1,047       | 2,350     | 512                                      | 436       | 559                                | 520       | 5            | 5         |
| Del.           | 24            | 27        | 6           | 118       | 4  | 4         | 6                                  | -         | N            | N         |
| Md.            | 170           | 232       | 38          | 202       | 91                                       | 126       | -                                  | 4         | -            | -         |
| D.C.           | 14            | 12        | 19          | 24        | 4  | 4         | 3                                  | -         | 3            | -         |
| Va.            | 229           | 219       | 31          | 105       | 35                                       | 45        | N                                  | N         | N            | N         |
| W. Va.         | 43            | 18        | -           | -         | 12                                       | 16        | 55                                 | 27        | 2            | 5         |
| N.C.           | 247           | 320       | 129         | 273       | 56                                       | 36        | N                                  | N         | U            | U         |
| S.C.           | 111           | 127       | 143         | 107       | 28                                       | 16        | 41                                 | 80        | N            | N         |
| Ga.            | 409           | 306       | 255         | 492       | 183                                      | 94        | 180                                | 137       | N            | N         |
| Fla.           | 849           | 960       | 426         | 1,029     | 99                                       | 95        | 274                                | 272       | N            | N         |
| E.S. CENTRAL   | 462           | 563       | 194         | 369       | 96                                       | 87        | 61                                 | 71        | -            | -         |
| Ky.            | 95            | 103       | 26          | 44        | 31                                       | 22        | 16                                 | 6         | N            | N         |
| Tenn.          | 138           | 186       | 85          | 124       | 65                                       | 65        | 45                                 | 65        | N            | N         |
| Ala.           | 146           | 160       | 62          | 125       | -  | -         | -                                  | -         | N            | N         |
| Miss.          | 83            | 114       | 21          | 76        | -  | -         | -                                  | -         | -            | -         |
| W.S. CENTRAL   | 652           | 974       | 637         | 1,864     | 105                                      | 133       | 28                                 | 47        | 49           | 56        |
| Ark.           | 94            | 98        | 17          | 24        | 5  | 3         | 5                                  | 17        | 5            | 4         |
| La.            | 79            | 172       | 65          | 184       | 1  | 1         | 23                                 | 30        | 7            | 13        |
| Okla.          | 86            | 71        | 146         | 243       | 28                                       | 35        | N                                  | N         | 22           | 22        |
| Tex.           | 393           | 633       | 409         | 1,413     | 71                                       | 94        | N                                  | N         | 15           | 17        |
| MOUNTAIN       | 735           | 619       | 255         | 320       | 253                                      | 234       | 15                                 | 15        | 7            | 32        |
| Mont.          | 51            | 36        | 3           | 1         | -  | 1         | -                                  | -         | -            | -         |
| Idaho          | 49            | 67        | 5           | 8         | 4  | 10        | N                                  | N         | N            | N         |
| Wyo.           | 20            | 12        | 1           | 1         | 5  | -         | 4                                  | 2         | -            | -         |
| Colo.          | 179           | 172       | 54          | 51        | 83                                       | 66        | -                                  | -         | 5            | 30        |
| N. Mex.        | 61            | 53        | 37          | 64        | 36                                       | 58        | 5                                  | 13        | -            | -         |
| Ariz.          | 238           | 177       | 120         | 162       | 101                                      | 94        | -                                  | -         | N            | N         |
| Utah           | 75            | 61        | 16          | 17        | 23                                       | 4         | 4                                  | -         | 2            | 2         |
| Nev.           | 62            | 41        | 19          | 16        | 1  | 1         | 2                                  | -         | -            | -         |
| PACIFIC        | 1,472         | 1,626     | 426         | 840       | 188                                      | 273       | 24                                 | 2         | -            | -         |
| Wash.          | 118           | 166       | 25          | 75        | 24                                       | 26        | -                                  | -         | N            | N         |
| Oreg.          | 107           | 147       | 18          | 29        | N  | N         | N                                  | N         | N            | N         |
| Calif.         | 1,118         | 1,217     | 366         | 721       | 131                                      | 204       | N                                  | N         | N            | N         |
| Alaska         | 32            | 34        | 3           | 4         | -  | -         | -                                  | -         | N            | N         |
| Hawaii         | 97            | 62        | 14          | 11        | 33                                       | 43        | 24                                 | 2         | -            | -         |
| Guam           | -             | -         | -           | -         | -  | -         | -                                  | -         | -            | -         |
| P.R.           | 40            | 230       | 1           | 4         | N  | N         | N                                  | N         | N            | N         |
| V.I.           | -             | -         | -           | -         | -  | -         | -                                  | -         | -            | -         |
| Amer. Samoa    | U             | U         | U           | U         | U  | U         | U                                  | U         | U            | U         |
| C.N.M.I.       | 3             | U         | -           | U         | -  | U         | -                                  | U         | -            | U         |

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).



TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 15, 2004, and May 10, 2003 (19th Week)\*

| Reporting area | Syphilis            |              |              |              | Tuberculosis |              | Typhoid fever |              | Varicella<br>(Chickenpox) |              |
|----------------|---------------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|---------------------------|--------------|
|                | Primary & secondary |              | Congenital   |              | Cum.<br>2004 | Cum.<br>2003 | Cum.<br>2004  | Cum.<br>2003 | Cum.<br>2004              | Cum.<br>2003 |
|                | Cum.<br>2004        | Cum.<br>2003 | Cum.<br>2004 | Cum.<br>2003 |              |              |               |              |                           |              |
| UNITED STATES  | 2,414               | 2,582        | 82           | 176          | 2,767        | 4,023        | 85            | 109          | 6,822                     | 6,877        |
| NEW ENGLAND    | 52                  | 71           | 1            | -            | 99           | 117          | 8             | 9            | 348                       | 1,605        |
| Maine          | -                   | 3            | -            | -            | -            | 4            | -             | -            | 43                        | 485          |
| N.H.           | 1                   | 9            | -            | -            | 6            | 5            | -             | -            | -                         | -            |
| Vt.            | -                   | -            | -            | -            | -            | 3            | -             | -            | 305                       | 355          |
| Mass.          | 37                  | 48           | -            | -            | 73           | 55           | 8             | 4            | -                         | 81           |
| R.I.           | 6                   | 4            | -            | -            | 10           | 15           | -             | 2            | -                         | 2            |
| Conn.          | 8                   | 7            | 1            | -            | 10           | 35           | -             | 3            | -                         | 682          |
| MID. ATLANTIC  | 341                 | 293          | 10           | 28           | 658          | 716          | 16            | 19           | 24                        | 8            |
| Upstate N.Y.   | 33                  | 8            | 1            | 1            | 70           | 82           | 2             | 3            | -                         | -            |
| N.Y. City      | 154                 | 162          | 6            | 17           | 354          | 382          | 5             | 10           | -                         | -            |
| N.J.           | 63                  | 62           | 3            | 10           | 131          | 127          | 5             | 5            | -                         | -            |
| Pa.            | 91                  | 61           | -            | -            | 103          | 125          | 4             | 1            | 24                        | 8            |
| E.N. CENTRAL   | 255                 | 355          | 27           | 35           | 286          | 354          | 3             | 13           | 2,920                     | 2,665        |
| Ohio           | 86                  | 77           | 1            | 2            | 63           | 55           | 1             | -            | 823                       | 596          |
| Ind.           | 17                  | 15           | 7            | 6            | 16           | 46           | -             | 2            | -                         | -            |
| Ill.           | 78                  | 136          | 1            | 11           | 177          | 175          | -             | 5            | -                         | -            |
| Mich.          | 66                  | 117          | 18           | 16           | 8            | 61           | 2             | 6            | 1,985                     | 1,654        |
| Wis.           | 8                   | 10           | -            | -            | 22           | 17           | -             | -            | 112                       | 415          |
| W.N. CENTRAL   | 50                  | 76           | -            | 3            | 122          | 165          | 2             | 2            | 109                       | 16           |
| Minn.          | 7                   | 22           | -            | -            | 50           | 62           | 1             | 1            | -                         | -            |
| Iowa           | 2                   | 6            | -            | -            | 13           | 10           | -             | 1            | N                         | N            |
| Mo.            | 24                  | 26           | -            | 3            | 28           | 49           | 1             | -            | 2                         | -            |
| N. Dak.        | -                   | -            | -            | -            | 2            | -            | -             | -            | 67                        | 16           |
| S. Dak.        | -                   | -            | -            | -            | 4            | 9            | -             | -            | 40                        | -            |
| Nebr.          | 4                   | 2            | -            | -            | 6            | 7            | -             | -            | -                         | -            |
| Kans.          | 13                  | 20           | -            | -            | 19           | 28           | -             | -            | -                         | -            |
| S. ATLANTIC    | 666                 | 671          | 11           | 33           | 613          | 746          | 18            | 23           | 1,061                     | 1,029        |
| Del.           | 2                   | 8            | -            | -            | -            | -            | -             | -            | 7                         | 7            |
| Md.            | 126                 | 102          | 2            | 6            | 73           | 72           | 2             | 5            | -                         | -            |
| D.C.           | 28                  | 13           | -            | -            | -            | -            | -             | -            | 16                        | 7            |
| Va.            | 23                  | 30           | 1            | 1            | 68           | 78           | 4             | 10           | 317                       | 262          |
| W. Va.         | 2                   | 1            | -            | -            | 9            | 7            | -             | -            | 562                       | 673          |
| N.C.           | 53                  | 63           | 1            | 5            | 71           | 76           | 2             | 4            | -                         | -            |
| S.C.           | 43                  | 45           | -            | 4            | 66           | 49           | -             | -            | 159                       | 80           |
| Ga.            | 111                 | 166          | -            | 7            | 11           | 178          | 8             | 2            | -                         | -            |
| Fla.           | 278                 | 243          | 7            | 10           | 315          | 286          | 2             | 2            | -                         | -            |
| E.S. CENTRAL   | 130                 | 125          | 4            | 7            | 169          | 241          | 4             | 2            | 2                         | -            |
| Ky.            | 21                  | 18           | -            | 1            | 25           | 39           | 2             | -            | -                         | -            |
| Tenn.          | 51                  | 51           | 1            | 1            | 46           | 82           | 2             | 1            | -                         | -            |
| Ala.           | 47                  | 47           | 2            | 4            | 65           | 89           | -             | 1            | -                         | -            |
| Miss.          | 11                  | 9            | 1            | 1            | 33           | 31           | -             | -            | 2                         | -            |
| W.S. CENTRAL   | 388                 | 299          | 16           | 25           | 171          | 672          | 6             | 5            | 1,058                     | 1,425        |
| Ark.           | 16                  | 13           | -            | 1            | 48           | 37           | -             | -            | -                         | -            |
| La.            | 82                  | 34           | -            | -            | -            | -            | -             | -            | 5                         | 7            |
| Okla.          | 8                   | 18           | 2            | -            | 48           | 48           | -             | -            | -                         | -            |
| Tex.           | 282                 | 234          | 14           | 24           | 75           | 587          | 6             | 5            | 1,053                     | 1,418        |
| MOUNTAIN       | 135                 | 114          | 10           | 19           | 100          | 113          | 6             | 4            | 1,300                     | 129          |
| Mont.          | -                   | -            | -            | -            | -            | -            | -             | -            | -                         | -            |
| Idaho          | 8                   | 4            | -            | -            | -            | 1            | -             | -            | -                         | -            |
| Wyo.           | 1                   | -            | -            | -            | 1            | 2            | -             | -            | 14                        | 15           |
| Colo.          | 7                   | 13           | -            | 3            | 31           | 33           | 3             | 3            | 984                       | -            |
| N. Mex.        | 25                  | 22           | 1            | 5            | -            | 6            | -             | -            | 29                        | -            |
| Ariz.          | 84                  | 69           | 9            | 11           | 53           | 54           | 1             | 1            | -                         | -            |
| Utah           | 3                   | 1            | -            | -            | 15           | 9            | 1             | -            | 273                       | 114          |
| Nev.           | 7                   | 5            | -            | -            | -            | 8            | 1             | -            | -                         | -            |
| PACIFIC        | 397                 | 578          | 3            | 26           | 549          | 899          | 22            | 32           | -                         | -            |
| Wash.          | 32                  | 24           | -            | -            | 71           | 87           | 1             | 1            | -                         | -            |
| Oreg.          | 9                   | 15           | -            | -            | 26           | 33           | 1             | 1            | -                         | -            |
| Calif.         | 354                 | 533          | 3            | 26           | 406          | 721          | 15            | 30           | -                         | -            |
| Alaska         | -                   | -            | -            | -            | 8            | 21           | -             | -            | -                         | -            |
| Hawaii         | 2                   | 6            | -            | -            | 38           | 37           | 5             | -            | -                         | -            |
| Guam           | -                   | -            | -            | -            | -            | -            | -             | -            | -                         | -            |
| P.R.           | 45                  | 70           | -            | 8            | 14           | 33           | -             | -            | 98                        | 240          |
| V.I.           | -                   | 1            | -            | -            | -            | -            | -             | -            | -                         | -            |
| Amer. Samoa    | U                   | U            | U            | U            | U            | U            | U             | U            | U                         | U            |
| C.N.M.I.       | 2                   | U            | -            | U            | 10           | U            | -             | U            | -                         | U            |

N: Not notifiable. U: Unavailable. - : No reported cases.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).

TABLE III. Deaths in 122 U.S. cities,\* week ending May 15, 2004 (19th Week)

| Reporting Area               | All causes, by age (years) |       |       |       |      |    | P&I <sup>†</sup> Total | Reporting Area          | All causes, by age (years) |       |       |       |      |     | P&I <sup>†</sup> Total |
|------------------------------|----------------------------|-------|-------|-------|------|----|------------------------|-------------------------|----------------------------|-------|-------|-------|------|-----|------------------------|
|                              | All Ages                   | ≥65   | 45-64 | 25-44 | 1-24 | <1 |                        |                         | All Ages                   | ≥65   | 45-64 | 25-44 | 1-24 | <1  |                        |
| NEW ENGLAND                  | 364                        | 274   | 63    | 20    | 3    | 4  | 36                     | S. ATLANTIC             | 1,180                      | 738   | 283   | 98    | 30   | 31  | 51                     |
| Boston, Mass.                | U                          | U     | U     | U     | U    | U  | U                      | Atlanta, Ga.            | 146                        | 85    | 32    | 14    | 4    | 11  | 6                      |
| Bridgeport, Conn.            | 31                         | 29    | 1     | 1     | -    | -  | 1                      | Baltimore, Md.          | 180                        | 97    | 55    | 18    | 5    | 5   | 8                      |
| Cambridge, Mass.             | 15                         | 13    | 1     | -     | 1    | -  | 3                      | Charlotte, N.C.         | 93                         | 62    | 21    | 6     | 3    | 1   | 10                     |
| Fall River, Mass.            | 29                         | 23    | 3     | 3     | -    | -  | 3                      | Jacksonville, Fla.      | U                          | U     | U     | U     | U    | U   | U                      |
| Hartford, Conn.              | 56                         | 39    | 9     | 5     | -    | 3  | 8                      | Miami, Fla.             | 166                        | 112   | 32    | 17    | 4    | 1   | 5                      |
| Lowell, Mass.                | 22                         | 19    | 3     | -     | -    | -  | -                      | Norfolk, Va.            | 54                         | 28    | 15    | 4     | 5    | 2   | 1                      |
| Lynn, Mass.                  | 8                          | 5     | 2     | 1     | -    | -  | 1                      | Richmond, Va.           | U                          | U     | U     | U     | U    | U   | U                      |
| New Bedford, Mass.           | 29                         | 22    | 6     | 1     | -    | -  | 3                      | Savannah, Ga.           | 66                         | 44    | 13    | 6     | 1    | 2   | 5                      |
| New Haven, Conn.             | U                          | U     | U     | U     | U    | U  | U                      | St. Petersburg, Fla.    | 41                         | 29    | 4     | 5     | 1    | 2   | 1                      |
| Providence, R.I.             | 62                         | 45    | 12    | 3     | 1    | 1  | -                      | Tampa, Fla.             | 214                        | 147   | 53    | 10    | 1    | 3   | 10                     |
| Somerville, Mass.            | 6                          | 5     | 1     | -     | -    | -  | -                      | Washington, D.C.        | 200                        | 118   | 54    | 18    | 6    | 4   | 3                      |
| Springfield, Mass.           | 35                         | 20    | 11    | 3     | 1    | -  | 4                      | Wilmington, Del.        | 20                         | 16    | 4     | -     | -    | -   | 2                      |
| Waterbury, Conn.             | 22                         | 20    | 2     | -     | -    | -  | 2                      | E.S. CENTRAL            | 645                        | 427   | 130   | 57    | 14   | 17  | 42                     |
| Worcester, Mass.             | 49                         | 34    | 12    | 3     | -    | -  | 11                     | Birmingham, Ala.        | 185                        | 129   | 38    | 12    | 2    | 4   | 14                     |
| MID. ATLANTIC                | 2,074                      | 1,438 | 458   | 111   | 29   | 36 | 116                    | Chattanooga, Tenn.      | 79                         | 49    | 20    | 8     | 1    | 1   | 4                      |
| Albany, N.Y.                 | 47                         | 34    | 9     | 2     | -    | 2  | 1                      | Knoxville, Tenn.        | 119                        | 73    | 23    | 19    | 2    | 2   | -                      |
| Allentown, Pa.               | 19                         | 15    | 4     | -     | -    | -  | -                      | Lexington, Ky.          | U                          | U     | U     | U     | U    | U   | U                      |
| Buffalo, N.Y.                | 87                         | 54    | 24    | 6     | 1    | 2  | 9                      | Memphis, Tenn.          | U                          | U     | U     | U     | U    | U   | U                      |
| Camden, N.J.                 | 25                         | 15    | 5     | 3     | 1    | 1  | 1                      | Mobile, Ala.            | 63                         | 45    | 14    | 3     | 1    | -   | 3                      |
| Elizabeth, N.J.              | 12                         | 8     | 3     | 1     | -    | -  | -                      | Montgomery, Ala.        | 69                         | 53    | 10    | 4     | 2    | -   | 13                     |
| Erie, Pa.                    | 45                         | 39    | 5     | 1     | -    | -  | 1                      | Nashville, Tenn.        | 130                        | 78    | 25    | 11    | 6    | 10  | 8                      |
| Jersey City, N.J.            | U                          | U     | U     | U     | U    | U  | U                      | W.S. CENTRAL            | 1,341                      | 867   | 298   | 90    | 39   | 47  | 73                     |
| New York City, N.Y.          | 1,075                      | 748   | 244   | 55    | 11   | 15 | 58                     | Austin, Tex.            | 86                         | 57    | 19    | 4     | 6    | -   | 1                      |
| Newark, N.J.                 | 68                         | 31    | 20    | 10    | 4    | 3  | 1                      | Baton Rouge, La.        | U                          | U     | U     | U     | U    | U   | U                      |
| Paterson, N.J.               | 21                         | 15    | 4     | -     | -    | 2  | -                      | Corpus Christi, Tex.    | 21                         | 20    | 1     | -     | -    | -   | -                      |
| Philadelphia, Pa.            | 339                        | 233   | 71    | 20    | 9    | 6  | 17                     | Dallas, Tex.            | 199                        | 125   | 37    | 23    | 4    | 10  | 13                     |
| Pittsburgh, Pa. <sup>‡</sup> | 29                         | 19    | 7     | 1     | 1    | 1  | 2                      | El Paso, Tex.           | 114                        | 84    | 22    | 3     | 3    | 2   | 5                      |
| Reading, Pa.                 | 23                         | 20    | 3     | -     | -    | -  | -                      | Fl. Worth, Tex.         | 124                        | 81    | 28    | 7     | 3    | 5   | 3                      |
| Rochester, N.Y.              | 121                        | 87    | 30    | 4     | -    | -  | 8                      | Houston, Tex.           | 424                        | 262   | 104   | 30    | 16   | 12  | 30                     |
| Schenectady, N.Y.            | 13                         | 9     | 3     | 1     | -    | -  | 3                      | Little Rock, Ark.       | 74                         | 39    | 20    | 6     | 2    | 7   | 1                      |
| Scranton, Pa.                | 21                         | 19    | 2     | -     | -    | -  | 1                      | New Orleans, La.        | 39                         | 24    | 13    | 2     | -    | -   | -                      |
| Syracuse, N.Y.               | 83                         | 57    | 17    | 3     | 2    | 4  | 9                      | San Antonio, Tex.       | 217                        | 150   | 45    | 12    | 4    | 6   | 18                     |
| Trenton, N.J.                | 19                         | 15    | 3     | 1     | -    | -  | 1                      | Shreveport, La.         | 43                         | 25    | 9     | 3     | 1    | 5   | 2                      |
| Utica, N.Y.                  | 20                         | 14    | 3     | 3     | -    | -  | 4                      | Tulsa, Okla.            | U                          | U     | U     | U     | U    | U   | U                      |
| Yonkers, N.Y.                | 7                          | 6     | 1     | -     | -    | -  | -                      | MOUNTAIN                | 576                        | 365   | 121   | 51    | 24   | 15  | 50                     |
| E.N. CENTRAL                 | 1,834                      | 1,216 | 382   | 143   | 55   | 38 | 119                    | Albuquerque, N.M.       | 121                        | 55    | 20    | 29    | 14   | 3   | 14                     |
| Akron, Ohio                  | 55                         | 37    | 11    | 3     | 1    | 3  | 11                     | Boise, Idaho            | 44                         | 34    | 7     | 1     | 1    | 1   | 2                      |
| Canton, Ohio                 | 48                         | 38    | 9     | 1     | -    | -  | 6                      | Colorado Springs, Colo. | 91                         | 64    | 20    | 2     | 2    | 3   | -                      |
| Chicago, Ill.                | 323                        | 189   | 80    | 38    | 9    | 7  | 27                     | Denver, Colo.           | 49                         | 30    | 14    | 3     | -    | 2   | 5                      |
| Cincinnati, Ohio             | 66                         | 46    | 14    | 2     | 2    | 2  | -                      | Las Vegas, Nev.         | U                          | U     | U     | U     | U    | U   | U                      |
| Cleveland, Ohio              | 193                        | 130   | 44    | 10    | 5    | 4  | 7                      | Ogden, Utah             | 35                         | 26    | 6     | 3     | -    | -   | 3                      |
| Columbus, Ohio               | 238                        | 169   | 38    | 16    | 9    | 6  | 19                     | Phoenix, Ariz.          | 132                        | 89    | 29    | 8     | 4    | 2   | 13                     |
| Dayton, Ohio                 | 94                         | 74    | 8     | 9     | 2    | 1  | 5                      | Pueblo, Colo.           | U                          | U     | U     | U     | U    | U   | U                      |
| Detroit, Mich.               | 185                        | 100   | 47    | 26    | 10   | 2  | 11                     | Salt Lake City, Utah    | 104                        | 67    | 25    | 5     | 3    | 4   | 13                     |
| Evansville, Ind.             | 50                         | 39    | 7     | 4     | -    | -  | 5                      | Tucson, Ariz.           | U                          | U     | U     | U     | U    | U   | U                      |
| Fort Wayne, Ind.             | 64                         | 43    | 14    | 3     | 4    | -  | 2                      | PACIFIC                 | 928                        | 639   | 198   | 57    | 16   | 17  | 66                     |
| Gary, Ind.                   | 21                         | 10    | 3     | 6     | 2    | -  | -                      | Berkeley, Calif.        | U                          | U     | U     | U     | U    | U   | U                      |
| Grand Rapids, Mich.          | 61                         | 43    | 10    | -     | 4    | 4  | 3                      | Fresno, Calif.          | U                          | U     | U     | U     | U    | U   | U                      |
| Indianapolis, Ind.           | 182                        | 123   | 36    | 15    | 5    | 3  | 6                      | Glendale, Calif.        | U                          | U     | U     | U     | U    | U   | U                      |
| Lansing, Mich.               | 37                         | 25    | 9     | 2     | 1    | -  | 1                      | Honolulu, Hawaii        | 85                         | 60    | 19    | 3     | 1    | 2   | 2                      |
| Milwaukee, Wis.              | 108                        | 64    | 35    | 4     | 1    | 4  | 6                      | Long Beach, Calif.      | U                          | U     | U     | U     | U    | U   | U                      |
| Peoria, Ill.                 | 48                         | 38    | 6     | 2     | -    | 2  | 4                      | Los Angeles, Calif.     | U                          | U     | U     | U     | U    | U   | U                      |
| Rockford, Ill.               | 61                         | 48    | 11    | 2     | -    | -  | 6                      | Pasadena, Calif.        | 21                         | 15    | 5     | 1     | -    | -   | 6                      |
| South Bend, Ind.             | U                          | U     | U     | U     | U    | U  | U                      | Portland, Oreg.         | 141                        | 98    | 27    | 11    | 2    | 3   | 10                     |
| Toledo, Ohio                 | U                          | U     | U     | U     | U    | U  | U                      | Sacramento, Calif.      | 198                        | 140   | 42    | 14    | 2    | -   | 17                     |
| Youngstown, Ohio             | U                          | U     | U     | U     | U    | U  | U                      | San Diego, Calif.       | 142                        | 103   | 28    | 4     | 2    | 4   | 8                      |
| W.N. CENTRAL                 | 537                        | 346   | 109   | 41    | 22   | 17 | 26                     | San Francisco, Calif.   | 118                        | 69    | 32    | 13    | 3    | 1   | 7                      |
| Des Moines, Iowa             | 31                         | 25    | 4     | -     | 1    | 1  | 2                      | San Jose, Calif.        | 152                        | 101   | 31    | 11    | 4    | 5   | 11                     |
| Duluth, Minn.                | 26                         | 18    | 4     | 3     | 1    | -  | 1                      | Santa Cruz, Calif.      | U                          | U     | U     | U     | U    | U   | U                      |
| Kansas City, Kans.           | 28                         | 20    | 4     | 3     | 1    | -  | 2                      | Seattle, Wash.          | U                          | U     | U     | U     | U    | U   | U                      |
| Kansas City, Mo.             | 93                         | 64    | 16    | 4     | 6    | 3  | 7                      | Spokane, Wash.          | 71                         | 53    | 14    | -     | 2    | 2   | 5                      |
| Lincoln, Nebr.               | 36                         | 28    | 5     | 1     | 1    | 1  | 3                      | Tacoma, Wash.           | U                          | U     | U     | U     | U    | U   | U                      |
| Minneapolis, Minn.           | 69                         | 43    | 17    | 5     | 3    | 1  | 2                      | TOTAL                   | 9,479 <sup>§</sup>         | 6,310 | 2,042 | 668   | 232  | 222 | 579                    |
| Omaha, Nebr.                 | U                          | U     | U     | U     | U    | U  | U                      |                         |                            |       |       |       |      |     |                        |
| St. Louis, Mo.               | 130                        | 67    | 33    | 16    | 8    | 4  | 3                      |                         |                            |       |       |       |      |     |                        |
| St. Paul, Minn.              | 61                         | 41    | 16    | 2     | 1    | 1  | 5                      |                         |                            |       |       |       |      |     |                        |
| Wichita, Kans.               | 63                         | 40    | 10    | 7     | -    | 6  | 1                      |                         |                            |       |       |       |      |     |                        |

U: Unavailable. -No reported cases.

\* Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

† Pneumonia and influenza.

‡ Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.

§ Total includes unknown ages.

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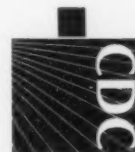
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